THE POWER TO KNOW®

What's New in SAS® Quality Knowledge Base for Contact Information 32

SAS® Documentation

The correct bibliographic citation for this manual is as follows: SAS Institute Inc. 2020. *What's New in SAS® Quality Knowledge Base for Contact Information 32*. Cary, NC: SAS Institute Inc.

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September 2020

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What's New in SAS Quality Knowledge Base for Contact Information 32

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 QKB for Contact Information (CI) 32.

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

See the SAS QKB CI 32 online Help for additional information. For information about previous releases, see the SAS QKB product page at **http://support.sas.com/documentation/onlinedoc/qkb/**.

Overview

SAS QKB CI 32 includes updates for the following locales and definitions:

Dutch, Belgium
- Field Content identification analysis definition added

English, Canada
- Field Content identification analysis definition added

English, United Kingdom
- Field Content identification analysis definition updated

English, United States
- Field Content identification analysis definition updated

French, Belgium
- Field Content identification analysis definition added

French, Canada
- Field Content identification analysis definition added

Japanese, Japan
- Name match, parse, and standardization definitions updated
- Organization match, parse, and standardization definitions updated

Swedish, Sweden
- Field Contact identification analysis definition added

All Locales
- Data Masking standardization definitions added

- Field Name identification analysis definition updated to add support for Dutch, Italian, Japanese, Norwegian, Spanish, and Swedish

The definitions from the SAS QKB for Product Data (PD) 5 have been added to SAS QKB CI 32. For details, see the **Changes in the QKB** section.

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 32 into any QKB that was released prior to QKB CI 2010B. If a merge is desired, first install QKB CI 32 in a new location and then merge the QKB CI version prior to 2010B into QKB CI 32. 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, United Kingdom	Polish, Poland
Arabic, Egypt	English, United States	Portuguese, Brazil
Chinese, China	Finnish, Finland	Portuguese, Portugal
Czech, Czech Republic	French, Belgium	Romanian, Romania
Danish, Denmark	French, Canada	Russian, Russia
Dutch, Belgium	French, France	Slovak, Slovakia
Dutch, Netherlands	German, Germany	Slovenian, Slovenia
English, Australia	Greek, Greece	Spanish, Argentina
English, Canada	Hebrew, Israel	Spanish, Mexico
English, Hong Kong	Hungarian, Hungary	Spanish, Spain
English, India	Italian, Italy	Swedish, Sweden
English, New Zealand	Japanese, Japan	Thai, Thailand
English, Philippines	Korean, South Korea	Turkish, Turkey
English, Singapore	Malay, Malaysia	
English, South Africa	Norwegian, Norway	

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 functioning properly. 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 that no changes were made to the locale.

Definition Name	Definition Type	Status	Action If Job Change Required
Afrikaans, South Africa			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand to Manufacturer	Standardization	New	
Brand/Manufacturer	Extraction	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Arabic, Egypt			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Chinese, China			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Czech, Czech Republic			
Anonymize E-mail Domain	Standardization	New	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	No action required.
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Danish, Denmark			
Address	Match, Parse, and Standardization	Modified	No action required.
Address (Global)	Parse	Modified	
Address (PO Box Only)	Match	Modified	
Address (Street Only)	Match	Modified	
Anonymize E-mail Domain	Standardization	New	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Organization	Standardization	Modified	
Part Number	Standardization	New	
Proper (Address)	Case	Modified	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Dutch, Belgium			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Dutch, Netherlands			
Address	Parse	Modified	No action required.
Address (Full)	Parse	Modified	
Address (Global)	Parse	Modified	
Anonymize E-mail Domain	Standardization	New	
City - State/Province - Postal Code	Parse	Modified	
City - State/Province - Postal Code (Global)	Parse	Modified	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, Australia			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, Canada			
Contact Info	Identification Analysis	Deprecated	**Replace with** the **Field Content** identification analysis definition.
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, Hong Kong			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, India			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, New Zealand			
Address (with Preferred Delivery Info)	Parse	Deprecated	**Discontinue use**.
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	

Definition Name	Definition Type	Status	Action If Job Change Required
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, Philippines			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, Singapore			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-Mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, South Africa			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, United Kingdom			

Definition Name	Definition Type	Status	Action If Job Change Required
Contact Info	Identification Analysis	Deprecated	**Replace with** the **Field Content** identification analysis definition.
Address	Match and Standardization	Modified	No action required.
Address (Detailed)	Parse	Modified	
Address (Full)	Parse	Modified	
Address (Global)	Parse	Modified	
Anonymize E-mail Domain	Standardization	New	
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
City - State/Province - Postal Code	Match, Parse, and Standardization	Modified	
City - State/Province - Postal Code (Global)	Parse	Modified	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Field Content	Identification Analysis	Modified	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Postal Code	Parse	Modified	
Postal Code (Validation)	Identification Analysis	Modified	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
English, United States			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	
Dimensions	Parse and Standardization	New	
Field Content	Identification Analysis	Modified	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Finnish, Finland			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
French, Belgium			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
French, Canada			
Contact Info	Identification Analysis	Deprecated	**Replace with** the **Field Content** identification analysis definition.
Anonymize E-mail Domain	Standardization	New	No action required.
Brand to Manufacturer	Standardization	New	
Brand/Manufacturer	Extraction	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Country (Region)	Standardization	Modified	
Country (Sub-Region)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Dimensions	Parse and Standardization	New	
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Except First and Last Characters	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
French, France			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match and Standardization	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Dimensions	Parse and Standardization	New	
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
German, Germany			
Anonymize E-mail Domain	Standardization	New	No action required.
Address	Match, Parse, and Standardization	Modified	
Address (Global)	Parse	Modified	
Address (PO Box Only)	Match	Modified	
Address (Street Only)	Match	Modified	
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Dimensions	Parse and Standardization	New	
Field Content (v30)	Identification Analysis	Removed	
Field Name	Identification Analysis	Enhanced	

Definition Name	Definition Type	Status	Action If Job Change Required
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Greek, Greece			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Hebrew, Israel			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Date (DMY) (with Combinations)	Match	Modified	
Date (MDY) (with Combinations)	Match	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Field Name	Identification Analysis	Enhanced	
Field Name (v30)	Identification Analysis	Removed	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Hungarian, Hungary			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Italian, Italy			
Anonymize E-mail Domain	Standardization	New	No action required.
Brand/Manufacturer	Extraction	New	
Brand to Manufacturer	Standardization	New	
Color Reduction	Standardization	New	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Dimensions	Parse and Standardization	New	
Field Content (v30)	Identification Analysis	Removed	

Definition Name	Definition Type	Status	Action If Job Change Required
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Material	Standardization	New	
Package/UOM	Parse and Standardization	New	
Part Number	Standardization	New	
Product Attributes	Extraction	New	
Size	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Japanese, Japan			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Name	Gender, Match, Parse, and Standardization	Enhanced	
Name (Global)	Parse	Enhanced	
Organization	Match, Parse, and Standardization	Enhanced	
Organization (Global)	Parse	Enhanced	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Korean, South Korea			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Malay, Malaysia			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Norwegian, Norway			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Polish, Poland			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Portuguese, Brazil			
Address (Full)	Match	Modified	No action required.
Anonymize E-mail Domain	Standardization	New	
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Portuguese, Portugal			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Character	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Russian, Russia			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Slovak, Slovakia			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Slovenian, Slovenia			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	

Definition Name	Definition Type	Status	Action If Job Change Required
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Spanish, Argentina			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Spanish, Mexico			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Spanish, Spain			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask Address Except Street Type	Standardization	New	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Swedish, Sweden			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Content	Identification Analysis	New	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	

Definition Name	Definition Type	Status	Action If Job Change Required
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Thai, Thailand			
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	
Turkish, Turkey			

Definition Name	Definition Type	Status	Action If Job Change Required
Anonymize E-mail Domain	Standardization	New	No action required.
Country	Match	Modified	
Country (ISO 2 Char)	Standardization	Modified	
Country (ISO 3 Char)	Standardization	Modified	
Country (ISO Number)	Standardization	Modified	
Date (DMY)	Match, Parse, and Standardization	Modified	
Date (MDY)	Match, Parse, and Standardization	Modified	
Date (YMD)	Match, Parse, and Standardization	Modified	
Field Name	Identification Analysis	Enhanced	
Mask All Characters	Standardization	New	
Mask All Characters Except First and Last	Standardization	New	
Mask Digits	Standardization	New	
Mask E-mail Domain	Standardization	New	
Mask E-mail Mailbox	Standardization	New	
Mask E-mail Mailbox Except First and Last Characters	Standardization	New	
Mask E-mail Sub-Domain	Standardization	New	
Mask Letters	Standardization	New	
Mask Partial String	Standardization	New	
Mask Phone Number	Standardization	New	
Part Number	Standardization	New	
Truncate Word to Initial	Standardization	New	
Word	Pattern Analysis	Modified	

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 this definition to use the replacement definition specified.

Modify jobs or the QKB to use the desired definition

Each definition that has been enhanced also has 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.

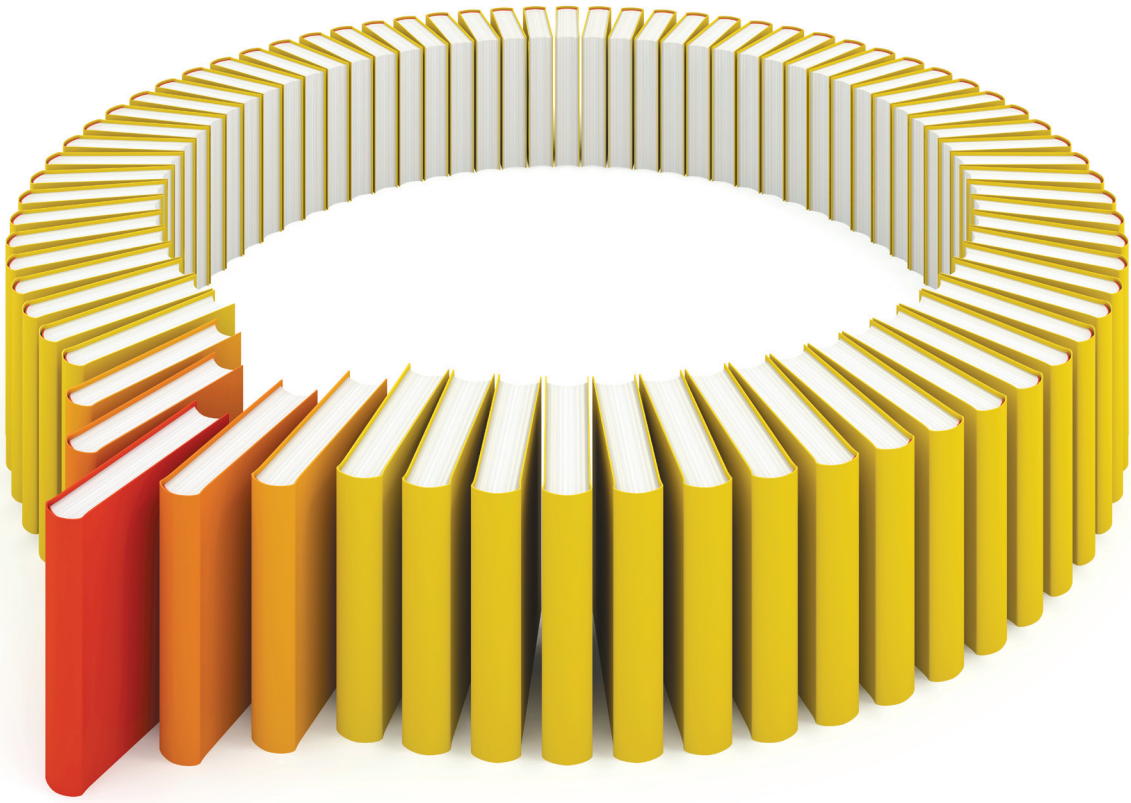
Modify jobs to use the updated definition

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. 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) do 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) do 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 variety and complexity of input data, such as full addresses and long numeric strings, jobs using Field Content identification definitions might take a long time to complete.
- 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 that is required to complete the installation.



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