

# **Oracle® Trading Community Architecture**

Reference Guide

Release 11*i*

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Oracle Trading Community Architecture Reference Guide, Release 11i

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# Contents

<b>Send Us Your Comments .....</b>	<b>vii</b>
<b>Preface.....</b>	<b>ix</b>
How To Use This Guide .....	x
Other Information Sources .....	xii
Installation and System Administration .....	xv
Training and Support.....	xviii
Do Not Use Database Tools to Modify Oracle Applications Data .....	xix
About Oracle .....	xix
Your Feedback.....	xx
<b>1 Glossary</b>	
Glossary .....	1-2
<b>2 Bulk Import</b>	
<b>Bulk Import Interface Tables.....</b>	<b>2-2</b>
HZ_IMP_ADDRESSES_INT .....	2-3
HZ_IMP_ADDRESSUSES_INT .....	2-7
HZ_IMP_CLASSIFICS_INT .....	2-9
HZ_IMP_CONTACTPTS_INT .....	2-11
HZ_IMP_CONTACTROLES_INT .....	2-15
HZ_IMP_CONTACTS_INT .....	2-17
HZ_IMP_CREDITRTNGS_INT .....	2-20
HZ_IMP_FINNUMBERS_INT.....	2-26

HZ_IMP_FINREPORTS_INT .....	2-28
HZ_IMP_PARTIES_INT .....	2-31
HZ_IMP_RELATIONSHIPS_INT .....	2-39

### **3 D&B Data Elements**

D&B Data Elements Overview .....	3-2
General Data Elements .....	3-3
Financial Data Elements .....	3-17

### **4 Seeded Relationship Types, Phrases, and Roles**

Relationship Types .....	4-2
Relationship Phrase and Role Pairs .....	4-5
Relationship Phrase and Role Pair Codes .....	4-12

### **5 Seeded Word Replacement Lists**

Seeded Word Replacement Lists .....	5-2
ADDRESS_DICTIONARY .....	5-3
DOMAIN_NAME_DICTIONARY .....	5-17
KEY MODIFIERS .....	5-18
ORGANIZATION_NAME_DICTIONARY .....	5-21
PERSON_NAME_DICTIONARY .....	5-23
STATE_DICTIONARY .....	5-118

### **6 Seeded Attributes and Transformations**

Seeded Attributes .....	6-2
Party Attributes .....	6-3
Address Attributes .....	6-10
Contact Attributes .....	6-12
Contact Point Attributes .....	6-14
Seeded Transformations .....	6-16

## 7 Seeded Match Rules

<b>Seeded Match Rules</b> .....	7-2
BULK MATCH: IDENTICAL ORGANIZATIONS .....	7-5
BULK MATCH: IDENTICAL PARTIES.....	7-7
BULK MATCH: IDENTICAL PERSONS .....	7-9
DL ADDRESS AND RELATIONSHIP SEARCH.....	7-11
DL ADDRESS DEFAULT .....	7-13
DL RELATIONSHIP DEFAULT.....	7-15
DL SMART SEARCH.....	7-17
DL SYSTEM DUPLICATE IDENTIFICATION .....	7-19
HZ_ORG_ADV_SEARCH_RULE .....	7-21
HZ_ORG_SIMPLE_SEARCH_RULE.....	7-23
HZ_PERSON_ADVANCED_SEARCH_MATCH_RULE .....	7-25
HZ_PERSON_SIMPLE_SEARCH_RULE .....	7-28
RM SEARCH RULE .....	7-30
SAMPLE: ADDRESS_ORGANIZATIONS .....	7-33
SAMPLE: ADDRESS_PERSONS.....	7-35
SAMPLE: IDENTICAL_ORGANIZATIONS.....	7-37
SAMPLE: IDENTICAL_PERSON .....	7-38
SAMPLE: SEARCH .....	7-40
SAMPLE: SEARCH ADDRESS ORGANIZATIONS EXACT .....	7-42
SAMPLE: SEARCH EXACT.....	7-44
SAMPLE: SEARCH SIMILAR ORGANIZATION EXACT .....	7-47
SAMPLE: SEARCH SIMILAR PERSON EXACT .....	7-49
SAMPLE: SIMILAR_ORGANIZATION .....	7-51
SAMPLE: SIMILAR_PERSON .....	7-53



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## **Oracle Trading Community Architecture Reference Guide, Release 11*i***

**Part No. B12311-01**

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# Preface

Welcome to Release 11*i* of the *Oracle Trading Community Architecture Reference Guide*.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- Oracle Trading Community Architecture.

If you have never used Oracle Trading Community Architecture, Oracle suggests you attend one or more of the Oracle Applications training classes available through Oracle University.

- The Oracle Applications graphical user interface.

To learn more about the Oracle Applications graphical user interface, read the *Oracle Applications User's Guide*.

See **Other Information Sources** for more information about Oracle Applications product information.

## How To Use This Guide

The *Oracle Trading Community Architecture Reference Guide* contains reference information for Oracle Trading Community Architecture.

- Chapter 1 provides a glossary of terms used in Oracle Trading Community Architecture and Oracle Customer Data Management.
- Chapter 2 provides the column names and validations for the interface tables in Oracle Trading Community Architecture Bulk Import.
- Chapter 3 lists and describes the D&B data elements supported by Third Party Data Integration.
- Chapter 4 lists the seeded relationship types and their relationship phrase and role pairs.
- Chapter 5 describes the seeded word replacement lists for Data Quality Management.
- Chapter 6 describes the seeded attributes and transformations for Data Quality Management.
- Chapter 7 describes the seeded match rules for Data Quality Management.

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## Other Information Sources

You can choose from many sources of information, including online documentation, training, and support services, to increase your knowledge and understanding of Oracle Trading Community Architecture.

If this guide refers you to other Oracle Applications documentation, use only the Release 11*i* versions of those guides.

### Online Documentation

All Oracle Applications documentation is available online (HTML or PDF).

- **Online Help** - Online help patches are available on MetaLink.
- **About Document** - Refer to the About document for patches that you have installed to learn about new documentation or documentation patches that you can download. The new About document is available on MetaLink.

### Related Guides

Oracle Trading Community Architecture shares business and setup information with other Oracle Applications products. Therefore, you may want to refer to other guides when you set up and use Oracle Trading Community Architecture.

You can read the guides online by choosing Library from the expandable menu on your HTML help window, by reading from the Oracle Applications Document Library CD included in your media pack, or by using a Web browser with a URL that your system administrator provides.

If you require printed guides, you can purchase them from the Oracle Store at <http://oraclestore.oracle.com>.

## **Guides Related to All Products**

### **Oracle Applications User's Guide**

This guide explains how to enter data, query, run reports, and navigate using the graphical user interface (GUI) available with this release of Oracle Trading Community Architecture (and any other Oracle Applications products). This guide also includes information on setting user profiles, as well as running and reviewing reports and concurrent processes.

## **Guides Related to This Product**

### **Oracle Trading Community Architecture User Guide**

Use this user guide to learn about Oracle Trading Community Architecture and how to use features from the Trading Community Manager responsibility to create, update, enrich, and cleanse the data in the TCA Registry.

### **Oracle Trading Community Architecture Administration Guide**

This guide describes how to administer and implement Oracle Trading Community Architecture. You set up, control, and manage functionality that affect data in the TCA Registry.

### **Oracle Trading Community Architecture API User Notes**

Use these technical user notes to learn how to access the public TCA application programming interfaces (APIs). For each API, these user notes provide a description of the API, the PL/SQL procedure, and the Java method, as well as a table of the parameter descriptions and validations.

### **Oracle Customers Online User Guide**

This user guide describes how to use Oracle Customers Online (OCO) to view, create, and maintain your customer information.

### **Oracle Customers Online Implementation Guide**

This guide describes how to implement Oracle Customers Online.

### **Oracle Data Librarian User Guide**

This user guide describes how to use Oracle Data Librarian (ODL), which solves the 3 Cs of customer data management: 1) consolidation, 2) cleanliness, and 3) completeness. ODL lets you maintain the data quality in the TCA Registry.

## **Oracle Data Librarian Implementation Guide**

This guide describes how to implement Oracle Data Librarian.

## **Oracle Trading Community Architecture Oracle Customers Online XML Web Services User Guide**

Use this user guide to learn how XML Web Services enables application-to-application integration between the Oracle customer repository and legacy or third-party enterprise systems.

# Installation and System Administration

## **Oracle Applications Concepts**

This guide provides an introduction to the concepts, features, technology stack, architecture, and terminology for Oracle Applications Release 11*i*. It provides a useful first book to read before an installation of Oracle Applications. This guide also introduces the concepts behind Applications-wide features such as Business Intelligence (BIS), languages and character sets, and Self-Service Web Applications.

## **Installing Oracle Applications**

This guide provides instructions for managing the installation of Oracle Applications products. In Release 11*i*, much of the installation process is handled using Oracle Rapid Install, which minimizes the time to install Oracle Applications, the Oracle8 technology stack, and the Oracle8*i* Server technology stack by automating many of the required steps. This guide contains instructions for using Oracle Rapid Install and lists the tasks you need to perform to finish your installation. You should use this guide in conjunction with individual product user guides and implementation guides.

## **Oracle Applications Implementation Wizard User Guide**

If you are implementing more than one Oracle product, you can use the Oracle Applications Implementation Wizard to coordinate your setup activities. This guide describes how to use the wizard.

## **Upgrading Oracle Applications**

Refer to this guide if you are upgrading your Oracle Applications Release 10.7 or Release 11.0 products to Release 11*i*. This guide describes the upgrade process and lists database and product-specific upgrade tasks. You must be either at Release 10.7 (NCA, SmartClient, or character mode) or Release 11.0, to upgrade to Release 11*i*. You cannot upgrade to Release 11*i* directly from releases prior to 10.7.

## **Maintaining Oracle Applications**

Use this guide to help you run the various AD utilities, such as AutoUpgrade, AutoPatch, AD Administration, AD Controller, AD Relink, License Manager, and others. It contains how-to steps, screenshots, and other information that you need to run the AD utilities. This guide also provides information on maintaining the Oracle applications file system and database.

## **Oracle Applications System Administrator's Guide**

This guide provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and online help, and manage concurrent processing.

## **Oracle Alert User's Guide**

This guide explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

## **Oracle Applications Developer's Guide**

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards for Forms-Based Products*. It also provides information to help you build your custom Oracle Forms Developer 6i forms so that they integrate with Oracle Applications.

## **Oracle Applications User Interface Standards for Forms-Based Products**

This guide contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications products and how to apply this UI to the design of an application built by using Oracle Forms.

## **Other Implementation Documentation**

### **Oracle Applications Product Update Notes**

Use this guide as a reference for upgrading an installation of Oracle Applications. It provides a history of the changes to individual Oracle Applications products between Release 11.0 and Release 11i. It includes new features, enhancements, and changes made to database objects, profile options, and seed data for this interval.

### **Oracle Workflow Guide**

This guide explains how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes. You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

## **Oracle Applications Flexfields Guide**

This guide provides flexfields planning, setup and reference information for the Oracle Trading Community Architecture implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This guide also provides information on creating custom reports on flexfields data.

## **Oracle eTechnical Reference Manuals**

Each eTechnical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for a specific Oracle Applications product. This information helps you convert data from your existing applications, integrate Oracle Applications data with non-Oracle applications, and write custom reports for Oracle Applications products. Oracle eTRM is available on Metalink

## **Oracle Applications Message Manual**

This manual describes all Oracle Applications messages. This manual is available in HTML format on the documentation CD-ROM for Release 11*i*.

# Training and Support

## Training

Oracle offers a complete set of training courses to help you and your staff master Oracle Trading Community Architecture and reach full productivity quickly. These courses are organized into functional learning paths, so you take only those courses appropriate to your job or area of responsibility.

You have a choice of educational environments. You can attend courses offered by Oracle University at any one of our many education centers, you can arrange for our trainers to teach at your facility, or you can use Oracle Learning Network (OLN), Oracle University's online education utility. In addition, Oracle training professionals can tailor standard courses or develop custom courses to meet your needs. For example, you may want to use your organization structure, terminology, and data as examples in a customized training session delivered at your own facility.

## Support

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep Oracle Trading Community Architecture working for you. This team includes your technical representative, account manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle8i server, and your hardware and software environment.

## Do Not Use Database Tools to Modify Oracle Applications Data

*Oracle STRONGLY RECOMMENDS that you never use SQL\*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications data unless otherwise instructed.*

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL\*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using Oracle Applications can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL\*Plus and other database tools do not keep a record of changes.

## About Oracle

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Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and applications products, along with related consulting, education, and support services, in over 145 countries around the world.

## Your Feedback

Thank you for using Oracle Trading Community Architecture and this reference guide.

Oracle values your comments and feedback. In this guide is a reader's comment form that you can use to explain what you like or dislike about Oracle Trading Community Architecture or this reference guide. Mail your comments to the following address or call us directly at (650) 506-7000.

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# 1

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## Glossary

This chapter provides a glossary of terms used in Oracle Trading Community Architecture and Oracle Customer Data Management.

## Glossary

This table provides terms and definitions for subjects in Oracle Trading Community Architecture and Oracle Customer Data Management.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
account	Customer Account	The business relationship that a party can enter in to with another party. The account has information about the terms and conditions of doing business with the party.
account relationship	Customer Account	A relationship that implies financial responsibility between the owners of the accounts. For example, a customer account relationship lets you apply payments to and create invoices for related customers, as well as apply invoices to related customers' commitments.
account role	Customer Account	The role that a party has in regard to controlling or using an account, for example, owner, authorized user, or contact.
account site	Customer Account	A party site that is used within the context of an account, for example, for billing or shipping purposes.
acquisition	Data Quality Management	The part of the DQM matching process that matches input record attributes against the attributes in the staged schema to get a smaller group of records that form the work unit. This process narrows down the records that can be scored in the scoring part of the matching process.
acquisition attribute	Data Quality Management	Attributes used for selecting the most relevant subset of records for matching, or the work unit. For example, to get records based on DUNS Number, you include the DUNS Number attribute for acquisition.
adapter	Adapters	A device that enables different pieces of software to be compatible. In the context of address validation, adapters facilitate integration between the TCA Registry and a third party or a deploying company data source.
address correction	Address Validation	An update or replacement of raw or user-entered addresses by address information from a known or authorized data source, such as the post office.
address validation	Address Validation	The process of comparing raw or user-entered addresses against a known or authorized source, such as the post office, to determine if the addresses are recognized and correct according to the authority's database.
area code time zone	Time Zones	A time zone that corresponds to a specific area code, used for countries that have multiple time zones.
attribute	Data Model	Corresponds to a column in a TCA Registry table, and the attribute value is the value that is stored in the column. For example, Name is an attribute and the actual values of party names are stored in a column in the HZ_PARTIES table.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
attribute group	Data Model	A group of closely related attributes within the same entity. The values for each attribute in a group must come from the same data source.
automatic merge threshold	Data Quality Management	Value used in DQM matching to evaluate match scores. A record with a score that exceeds the automatic merge threshold is by default selected for party merge.
Automerge	Data Quality Management	The Data Quality Management process of automatically merging records that reach or exceed the match rule's automatic merge threshold. Records that reach or exceed the match rule's match threshold, but not the automatic merge threshold, are bundled into merge requests and sent to Oracle Data Librarian for merge consideration.
batch de-duplication	Bulk Import	The process within TCA Bulk Import of identifying and resolving duplicates within an import batch. The duplicates are resolved in the interface tables, before actual import into the TCA Registry.
black box	Adapters	An abstraction of a device or system in which only its externally visible behavior is considered and not its implementation or inner workings. In the context of TCA adapters for address validation, a black box is a central XML open-standards based functionality that allows integration between the TCA Registry and third party or other data sources, through adapters. The black box accepts requests from callers, sends requests to adapters, and receives the adapters' responses.
bulk duplicate identification	Data Quality Management	The Data Quality Management process of identifying duplicates for a large number of records within the TCA Registry. The process involves only match rules with the Bulk Duplicate Identification type.
Business Event System (BES)	BES Callouts	The development approach and associated APIs that allow the creation of configurable Oracle based applications using the Oracle Workflow Business Event System (BES). Applications using the BES Framework provide the ability to extend and configure business logic and asynchronous messaging to meet business requirements without the need to modify standard application code.
Business Information Report (BIR)	Third Party Data Integration	A report that provides many of the data elements from the D&B database in a standard report format.
business purpose	Customer Account	Also known as site use, a business purpose describes which functions are performed at a particular customer account site. For example, the address where you ship your goods has a ship-to business purpose, and the address where you will send dunning letters has a dunning business purpose.
caller	Adapters	A source that sends requests to black boxes for data services through integration with adapters. Examples of callers are concurrent programs and APIs.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
category use	Classifications	Controls which object can use a given class category. For example, the SIC code 1977 can be used only by parties of type Organization.
circular relationship	Relationships	Circular relationships participate in a circle of relationships between entities. For example, Party A is related to Party B, who is related to Party C, who is related to Party A.
class category	Classifications	Consists of multiple classification codes that allow for broad grouping of entities. Categories can have rules pertaining to a set of class codes, for example, Multiple Parent, Multiple Assignment, and Leaf Node Assignment rules.
class code	Classifications	Provides a specific value for a class category.
classification	Classifications	A means of categorizing different objects in Oracle Applications. Classifications are not limited to parties but can include projects, tasks, orders, and so on. Classifications can be user defined or based on external standards, such as the NAICS (North American Industrial Classification System), NACE (European Union's Statistical Classification of Economic Activity), or SIC (Standard Industrial Classification).
code relationship	Classifications	Relates various class codes within a category in a hierarchy. For example, IT is a parent of Software.
contact point	Contacts	A means of contacting a party other than postal mail, for example, phone number, e-mail address, fax number, and so on.
contact preference	Contacts	Provides information about when and how parties prefer to be contacted. You can specify the subjects on which to contact a party, the number of times to contact a party, and the reason for specifying a contact preference. You can also set preferences for a party's e-mail address or phone number.
country time zone	Time Zones	A time zone that applies to an entire country.
customer	Customer Account	A person or organization that the deploying company has a selling relationship with, regardless of whether anything has been purchased or serviced. A selling relationship can be established simply by negotiation terms that will be used if you later sell products.
Customer Account Merge	Customer Account	A process to merge duplicate customer accounts into one, or transfer site use activity from a deactivated or acquired customer or site.
Customer Interface	Customer Account	Interface to import and validate current or historical customer information from other systems into the TCA Registry.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
customer profile class	Customer Account	Specific credit limits, payment terms, statement cycles, invoicing, and discount information that you use to categorize customer accounts. For each profile class, you can also define amount limits for your finance charges, dunning, and statements for each currency in which you do business.
D&B (Dun and Bradstreet)	Third Party Data Integration	An Oracle partner that is the leading provider of business information for credit, marketing, purchasing, and receivables management decisions worldwide. D&B's products and services are drawn from a global database of more than 62 million companies. It gathers business information in 209 countries around the world, covering 186 currencies. Its exclusive nine-digit D&B D-U-N-S Number, assigned to each business location in its global database, is widely used as a tool for identifying, organizing, and consolidating information about businesses.
D&B hierarchy	Third Party Data Integration, Relationships	Contains hierarchical corporate relationships that D&B provides through batch load and the online Enterprise Management Global Data Product (GDP). You can view this corporate structure in a relationship hierarchy.
data element	Third Party Data Integration	A piece of information in a data product that you can use to identify, contact, and evaluate the credit risk of parties. The complete D&B database includes over 150 key business data elements. Examples of data elements include the DUNS Number, local business ID, and D&B rating.
data product	Third Party Data Integration	A fixed set of data elements from D&B containing country-specific information to meet your business decision-making criteria.
Data Quality Management (DQM)	Data Quality Management	A set of tools to keep the TCA Registry clean and accurate, with powerful searching, matching, duplicate identification, and merging functionality.
data sharing group	Data Sharing and Security	Identifies a subset of party-related data that can be secured. The data sharing group identifies both the types of entities to be protected (such as parties, their addresses, contact points, relationships, and the like) as well as specific criteria to identify which party related data to protect, which can be based on classifications, relationship types, or "created by" modules.  For example, one data sharing group might be created for patients, another for employees, and another for parties classified as both patients and employees. A security administrator may then assign privileged access to create, update, or delete information secured by this data sharing group based on the applicable business policy.
data source	Data Model	The source of the records in the TCA Registry, for example user entered or third party.
deploying company	General	The Oracle customer that has or will install, implement, and run all or part of the Oracle E-Business Suite.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
DUNS (Data Universal Numbering System) Number	Third Party Data Integration	The nine-digit identification number assigned by D&B to each commercial entity in its database. For businesses with multiple locations, each location is assigned a unique DUNS Number.
duplicate	Data Model	A record that has been identified as a duplicate of at least one other record.
duplicate set	De-Duplication	A group of records (such as parties, addresses or relationships) that has been identified as potential duplicates of one another in appearance and/or function.
entity	Data Model	A group of related attributes in the TCA Registry, for example Organization Profile, Person Profile, Address, and Contact Point.
exact match	Data Quality Management	Matching method that requires an exact character match, as compared to a search that uses the similarity algorithm.
Extensible Markup Language (XML)	XML Web Services	The standard for defining data interchange formats on the Internet. It is similar to HyperText Markup Language (HTML) in that it uses tags to encode information. But whereas HTML tells browsers how to display information, XML defines values for the information. XML also lets users create their own tags.
fuzzy match	Data Quality Management	Matching method that finds data with only some similarity to the search criteria and compensates for errors in data entry and phonetics.
Global Data Product (GDP)	Third Party Data Integration	A fixed set of data elements from D&B containing information to meet your business decision-making criteria. The GDP is not country specific and can be purchased globally.
group ID	Third Party Data Integration	Identifies records acquired from D&B in the HZ_PARTY_INTERFACE table. For a batch of records with the same ID, you can specify that ID to transfer those records from the interface table into the TCA tables.
hierarchical relationship	Relationships	A relationship in which a party is ranked above the other. The rank is determined by the role that they are taking in a relationship
hierarchical relationship type	Relationships	A relationship type that allows hierarchical relationships. A hierarchy can be defined by creating multiple hierarchical relationship type records.
hierarchy	Relationships	A collection of entities associated with a particular hierarchical relationship type at a given point in time. The hierarchy is a tree structure that shows relationships by organizing entities in hierarchical levels. For a given entity, all entities displayed the level below in the hierarchy are its children, and the entity displayed a level above is its parent.
hierarchy node	Relationships	An entity in a relationship hierarchy. The node at the top of the hierarchy is the top parent, or root node. Any node without children is a leaf node.

Term	Subject	Definition
input record	Data Quality Management	The basis for comparison or matching. Input records can be compared to other records in the staged schema to find existing duplicates in the TCA Registry. An input record can also be search criteria or entered party information that is compared to the staged schema to find matches or potential duplicates in the registry.
interface search tables	Bulk Import	A set of temporary staged tables with B-Tree indexes, used in Data Quality Management, to store transformed data from TCA Bulk Import interface tables. The interface search tables can be joined with themselves to find duplicates within an import batch, or joined with the staged schema to find duplicates between the interface tables and the TCA Registry.
<i>interMedia</i> index	Data Quality Management	Oracle <i>interMedia</i> lets you perform a variety of text data searches in over 39 languages. For 16 of those languages, <i>interMedia</i> text search also provides: base letter conversion, alternate spelling, fuzzy matching, language specific lexing, sample stop list, and stemming. In DQM, <i>interMedia</i> indexes are generated for the staged schema to use in the acquisition phase of matching. These indexes quickly narrow down the number of records to evaluate for scoring. Searches against the staged schema are actually done through the indexes.
leaf child	Relationships	A record in a hierarchy that does not have any children.
location	Locations	A point in geographical space described by an address.
logical entity	Data Model	See <i>Entity</i> .
mapped DUNS Number	Third Party Data Integration	The DUNS Number associated with the party record that is actively mapped to the D&B data source, through Source System Management. When multiple parties have the same DUNS Number, the party that is actively mapped has the mapped DUNS Number.
match rule	Data Quality Management	A set of rules that determines which records are matches for an input record. A match rule consists of acquisition attributes that are used for matching and can also include scoring attributes to score the matched records.
match score	Data Quality Management	The score of an attribute after the original score has been multiplied by the weight percentage. The total score of a record consists of the sum of all match scores from its attributes.
match threshold	Data Quality Management	Value used in DQM matching to evaluate match scores. A record with a score that exceeds the match threshold is selected as a match for the input record.
merge batch	Party Merge	Contains information about the duplicate parties or party sites to merge.
Merge Dictionary	Party Merge	A dictionary that stores the entities and procedures that must be processed to merge party entities for any Oracle application.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
merge mapping	De-Duplication	The process of evaluating the records in a duplicate set for the purposes of: a) identifying a single record which will survive as the merge master, and b) defining which specific addresses and relationships from each of the remaining duplicates will be brought forward into the merge master.
merge master	De-Duplication	The record that remains after other duplicates in a duplicate set merge into it.
merge request	De-Duplication	A request is that is created when a Data Librarian, a system process, or an end user identifies a set of records as duplicates that need to be merged. The Data Librarian has a choice to accept or reject the request. After a merge request is created, accepted, merged, and submitted, the Party Merge process merges the duplicate parties or information.
Multiple merge request	De-Duplication	A merge request that contains two or more party records to be merged. In contrast, a single merge request contains only one party record, which means that only the subordinate entities already related to that specific party, such as addresses or contacts, are to be merged.
object	Relationships	The entity that the subject is related to in either direction of a relationship. For example, if Oracle is the employer of Joe, then Joe is the object. With the other direction stating that Joe is the employee of Oracle, Oracle is the object.
online purge	Party Purge	Online purge lets you determine if a single party is eligible to be purged from the TCA Registry. If the party has no associated transactions, you can submit it to be purged.
organization person	Party	A person who acts on behalf of or in the context of an organization.
Organization Profile entity	Data Model	An entity with attributes that describe parties of type Organization.
Other entity	Data Model	An entity that is not a party profile entity. Other entities include: Address, Contact Point, Credit Rating, Financial Report, and Relationship entities.
override threshold	Data Quality Management	Value used in matching to evaluate match scores. The input record can be prevented from entering the TCA Registry if a duplicate is found that exceeds the override threshold.
party	Party	A person, organization, relationship, or collection of parties that can enter into business relationships with other parties.
Party Merge	Party Merge	A process to merge duplicate parties and their related entities, or merge party sites within a party.

Term	Subject	Definition
party preference	Party	Enables you to store a persistent state for a party that is a user of Oracle Applications. For example, in a mobile customer application, you can create and maintain the My Customers list, which is a subset of customers in the TCA Registry. Each user can create a personal list of customers by adding customers from the public database to a personalized customer list. The iReceivables application can also use the party preference feature to store a list of customer accounts frequently accessed by a user.
party profile attributes	Data Model	<p>Party profile attributes describe basic details of a party, for example name and address. Attribute values are the values that a party has for the attributes. For example, Oracle Corporation is the attribute value for the Organization Name attribute. Attribute values can be purchased, entered, or imported into the TCA Registry.</p> <p>The profile attributes are categorized for parties of type Person and Organization:</p> <ul style="list-style-type: none"> <li>■ Person: Person Profile, Financial Details, Demographics, and Tax Details</li> <li>■ Organization: Business Profile, Business Details, Socioeconomic Details, Tax Details, and Special Events</li> </ul>
party profile entity	Data Model	Either the Person Profile or Organization Profile entity. These entities include attributes that describe parties of type Person or Organization.
party site	Party	The association between a party and one or more locations. For example, the headquarters of a company is a party site.
party type	Party	The type of party: Person, Organization, Group, or Relationship.
Person Profile entity	Data Model	An entity with attributes that describe parties of type Person.
phone format	Phone Formats	The format of phone numbers within a country. For example, for the US phone format, you define the phone country code as 01, the fixed area code as three numbers in length, the subscriber number as seven digits in length, and the format style as 999-999-9999.
preprocessing	De-Duplication	A process that runs after submitting a new or changing the master of an existing merge request. Preprocessing creates or regenerates the merge request and all suggested mapping defaults.
primary attribute	Data Model	The primary attribute of an attribute group.
primary business purpose	Customer Account	The primary business purpose for a specific address, or customer account site.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
prospect	Party	A person or organization that a party has a potential selling relationship with. A prospect might or might not become a customer.
purge request	Party Purge	A purge request contains one or more parties to purge from the TCA Registry. Only parties that are marked for purge in the request are actually purged.
Registry ID	Data Model	The unique number given to each entity in the TCA Registry.
Registry De-Duplication	Bulk Import	The process within TCA Bulk Import of identifying and resolving duplicates between an import batch and the TCA Registry. The duplicates are resolved after the actual import into the TCA Registry.
relationship	Relationships	A state of connectedness between two entities, consisting of two entities and a relationship phrase pair that belongs to a relationship type. Each relationship has two directions, as determined by the phrase pair.  For example, a relationship states that Oracle is the employer of Joe, as well as that Joe is the employee of Oracle, in the other direction.
relationship group	Relationships	A mechanism for grouping similar relationship roles and phrases together. As a general rule, this grouping is used to determine which relationship roles and phrases are displayed in application user interfaces but can also be used to group roles and phrases for other functional uses.
relationship hierarchy	Relationships	A relationship hierarchy is all the entities associated with a particular hierarchical relationship type at a given point in time under a top node, or root. The hierarchy is a tree structure that shows relationships by organizing entities in hierarchical levels. For a given entity, all entities displayed the level below in the hierarchy are its children, and the entity displayed a level above is its parent.
relationship model	Relationships	A model that allows you to get visibility into the complex relationships among the members of your trading community and to utilize the information to make better business decisions.
relationship phrase	Relationships	Defines the role of the subject of a relationship. For example, if an organization is an employer of a person, the Employer Of role describes the subject.
relationship phrase and role pair	Relationships	Consists of a subject relationship phrase and role, an object relationship phrase and role, a subject type, and an object type. Each relationship phrase and role pair must belong to a relationship type. Each relationship type can have one or more relationship phrase and role pairs.  For example, the pair is defined so that Organization is the subject type, Employer Of is the subject phrase, Employer is the subject role, Person is the object type, Employee Of the object phrase, and Employee the object role. When you create a relationship with this phrase and role pair, the parties that you use must match the subject and object types.

Term	Subject	Definition
relationship role	Relationships	<p>A term that describes the role that an entity plays in a relationship. Every relationship has two entities and two relationship roles, or a relationship role pair. One role describes the subject entity of the relationship, and the other the object.</p> <p>For example, if Pat is the employee of Vision, then Pat is the subject party and Vision is the object party. Pat's relationship role is employee, and Vision's role is employer. The role pair is employee/employer.</p>
relationship type	Relationships	<p>A relationship type is a categorization of relationship phrase pairs and consists of one or more phrase pairs that can be used to create relationships. Hierarchical relationships are created with phrase pairs that belong to a hierarchical relationship type. A relationship type also determines whether circular relationships are allowed when relationships are created with its phrase pairs.</p>
score	Data Quality Management	<p>Assigned in integer form to attributes in the work unit. Scores are not limited to the range of 1 to 100 and are multiplied by the weight percentage to calculate the match score.</p>
scoring	Data Quality Management	<p>The process of assigning weighing factors to match results, and grouping and ranking the match results.</p>
scoring attribute	Data Quality Management	<p>Attribute used to calculate a score for each record in the work unit.</p>
similarity algorithm	Data Quality Management	<p>Computes the edit distance between two strings, or groups of text, and assigns a percentage value to the result.</p> <p>The calculation used to determine the similarity percentage is:</p> <ol style="list-style-type: none"> <li>Determine the edit distance, or the number of changes required to make the longer string match the shorter string. For example, for Smythe and Smith, the edit distance is two.</li> <li>Subtract the edit distance from the number of characters in the longest string. Following the example above: <math>6 - 2 = 4</math>.</li> <li>Divide the amount calculated in step 2 by the number of characters in the longest string. Continuing the example: <math>4/6 = 0.6666</math></li> <li>Express the result as an integer. In this example the result would be a similarity score of 67.</li> </ol> <p>If two strings are identical, then the similarity percentage equals 100. If no characters in the two strings are the same, then the similarity percentage is zero.</p>

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
Simple Object Access Protocol (SOAP)	XML Web Services	An XML-based messaging protocol for exchanging information in a decentralized, distributed environment. It provides an envelope that defines a framework for describing what is in a message and how to process it, encoding rules for expressing application-defined data types, and a convention for representing remote procedure calls and responses.
Single merge request	De-Duplication	A merge request that contains only one party record to be merged. Only the subordinate entities already related to that specific party, such as addresses or relationships, are to be merged. In contrast, a multiple merge request consists of a duplicate set with at least two parties to merge.
single source of truth (SST) record	Third Party Data Integration	The record that represents a single view of the most accurate information about a party's profile. The attributes in the SST record can contain information from different data sources, depending on your setup.
site use	Customer Account	See <i>Business Purpose</i> .
Smart Search	Data Quality Management	A search engine powered by DQM, with results based on the entered search criteria and the match rule used for Smart Search.
SOAP	XML Web Services	See <i>Simple Object Access Protocol</i> .
Soundex	Data Quality Management	An indexing system that can group words by sound instead of exact spelling. Soundex translates words into a four-digit code consisting of one letter and three numbers.
source ID	Source System Management	The ID of the record in the legacy, third party, or other external system.
source system	Source System Management	A legacy, third party, or other external system that provides data for the TCA Registry.
staged schema	Data Quality Management	A mirror of the TCA Registry but contains data that are transformed and standardized based on transformation functions for better matching. Data in the staged schema is extracted into an interMedia index for high performance searching.
standardize	Data Quality Management	Standardizing is a data manipulation technique that improves the quality of matching. Standardizing in Data Quality Management involves transforming words or phrases into the same format.
subject	Relationships	The entity that the object relates to in either direction of a relationship. For example, if Oracle is the employer of Joe, then Oracle is the subject. With the other direction stating that Joe is the employee of Oracle, Joe is the subject.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
System Duplicate Identification (SDI)	De-Duplication	A process that uses DQM to proactively review all of the records or a defined subset of records in the TCA Registry and identify possible duplicates. An SDI that has been run is referred to as a System Duplicate Identification batch.
System Duplicate Identification (SDI) batch	De-Duplication	The output of the System Duplicate Identification (SDI) process. An SDI batch may contain multiple duplicate sets that can be used to create merge requests by the Data Librarian.
TCA Registry	Data Model	The central repository of party information for all Oracle applications. The party information includes details about organizations and people, the relationships among the parties, and the places where the parties do business.
third party overwrite rule	Third Party Data Integration	Determines if new third party data can overwrite existing user-entered data in the SST record. This rule applies only to user-entered data that previously overwrote third party data.
threshold	Data Quality Management	A value used to evaluate records, for example to determine if a record is a match or not.
top parent	Relationships	A record in a hierarchy that does not have any parent. The top parent is a root node.
Trading Community Architecture (TCA)	Data Model	A model that provides a virtual representation of the community that business is conducted in. This model includes parties and related party entities.
transformation	Data Quality Management	A seeded or user-defined rule that transforms and standardizes TCA attribute values into representations that can assist in the identification of potential matches.
transformation function	Data Quality Management	See <i>transformation</i> .
user data creation rule	Third Party Data Integration	Determines which Other entities users can create new records for.
user overwrite rule	Third Party Data Integration	Determines if new user-entered data can overwrite existing third party data in the SST record. Each rule includes all attributes from the party profile entities, and you define the rule for each individual attribute.
weight	Data Quality Management	A percentage that is assigned to a transformation function and is used to factor the score of an attribute.

<b>Term</b>	<b>Subject</b>	<b>Definition</b>
word replacement	Data Quality Management	A word mapping that is used to create synonyms which are treated as equivalents for searching and matching. Base words in the party, account, address, or organization contact record are replaced with a normalized word during search to provide consistency in search results.
work unit	Data Quality Management	Consists of all records from the staged schema with attribute values that match the attribute values of the input record.
XML	XML Web Services	See <i>Extensible Markup Language</i> .

# 2

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## Bulk Import

This chapter provides the column names and validations for the interface tables in Oracle Trading Community Architecture Bulk Import.

## Bulk Import Interface Tables

The interface tables for TCA Bulk Import are:

- HZ\_IMP\_ADDRESSES\_INT on page 2-3
- HZ\_IMP\_ADDRESSUSES\_INT on page 2-7
- HZ\_IMP\_CLASSIFICS\_INT on page 2-9
- HZ\_IMP\_CONTACTPTS\_INT on page 2-11
- HZ\_IMP\_CONTACTROLES\_INT on page 2-15
- HZ\_IMP\_CONTACTS\_INT on page 2-17
- HZ\_IMP\_CREDITRTNGS\_INT on page 2-20
- HZ\_IMP\_FINNUMBERS\_INT on page 2-26
- HZ\_IMP\_FINREPORTS\_INT on page 2-28
- HZ\_IMP\_PARTIES\_INT on page 2-31
- HZ\_IMP\_RELATIONSHIPS\_INT on page 2-39

Aside from the validations specified for each column, you should also be familiar with general validations that apply for entering data, for example through user interfaces.

If a column is described as not updateable, the import process ignores any passed value unless specified otherwise. This rule applies only to interface table records that update existing records in the TCA Registry.

Refer to the *Oracle eBusiness Suite Electronic Technical Reference Manual* for additional information about the interface tables, including:

- Description of the column value
- Data type
- Column length
- Requirement, whether the column needs a value or can be left null

**See Also:** Loading Data into the Interface Tables, *Oracle Trading Community Architecture User Guide*

## HZ\_IMP\_ADDRESSES\_INT

The HZ\_IMP\_ADDRESSES\_INT table contains address information to be imported into these TCA tables:

- HZ\_LOCATIONS
- HZ\_PARTY\_SITES

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
SITE_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SITE_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
CORRECT_MOVE_INDICATOR	C, M, or NULL	None
ADDRESS1	Mandatory for records to be inserted as new.  Cannot be updated to NULL.	HZ_LOCATIONS.ADDRESS1
ADDRESS2	None	HZ_LOCATIONS.ADDRESS2
ADDRESS3	None	HZ_LOCATIONS.ADDRESS3
ADDRESS4	None	HZ_LOCATIONS.ADDRESS4
ADDRESS_LINES_PHONETIC	None	HZ_LOCATIONS.ADDRESS_ LINES_PHONETIC
CITY	None	HZ_LOCATIONS.CITY

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
CLLI_CODE	None	HZ_LOCATIONS.CLLI_CODE
COUNTRY	Mandatory for records to be inserted as new. Cannot be updated to NULL. Foreign key to FND_TERRITORIES.TERRITORY_CODE.	HZ_LOCATIONS.COUNTRY
COUNTY	None	HZ_LOCATIONS.COUNTY
DELIVERY_POINT_CODE	None	HZ_LOCATIONS.DELIVERY_POINT_CODE
DESCRIPTION	None	HZ_LOCATIONS.DESCRPTION
LANGUAGE	Foreign key to FND_LANGUAGES.LANGUAGE_CODE with INSTALLED_FLAG in <i>B</i> (Base Language) or <i>I</i> (Installed Language)	HZ_LOCATIONS.LANGUAGE
LOCATION_DIRECTIONS	None	HZ_LOCATIONS.LOCATION_DIRECTIONS
POSTAL_CODE	None	HZ_LOCATIONS.POSTAL_CODE
POSTAL_PLUS4_CODE	None	HZ_LOCATIONS.POSTAL_PLUS4_CODE
PROVINCE	None	HZ_LOCATIONS.PROVINCE
SALES_TAX_GEOCODE	None	HZ_LOCATIONS.SALES_TAX_GEOCODE
SALES_TAX_INSIDE_CITY_LIMITS	None	HZ_LOCATIONS.SALES_TAX_INSIDE_CITY_LIMITS
SHORT_DESCRIPTION	None	HZ_LOCATIONS.SHORT_DESCRIPTION
STATE	None	HZ_LOCATIONS.STATE
TIMEZONE_CODE	Foreign key to HZ_TIMEZONES.TIMEZONE_ID	HZ_LOCATIONS.TIMEZONE_ID
ATTRIBUTE_CATEGORY	None	HZ_LOCATIONS.ATTRIBUTE_CATEGORY
ATTRIBUTE1 to ATTRIBUTE20	None	HZ_LOCATIONS.ATTRIBUTE1 to HZ_LOCATIONS.ATTRIBUTE20

Column	Validation	Destination
ADDRESS1_STD	Mandatory for records to be inserted as new. Cannot be updated to NULL.	HZ_LOCATIONS.ADDRESS1
ADDRESS2_STD	None	HZ_LOCATIONS.ADDRESS2
ADDRESS3_STD	None	HZ_LOCATIONS.ADDRESS3
ADDRESS4_STD	None	HZ_LOCATIONS.ADDRESS4
CITY_STD	None	HZ_LOCATIONS.CITY
PROV_STATE_ADMIN_CODE_STD	None	HZ_LOCATIONS.STATE if HZ_IMP_ADDRESSES_INT.STATE is not null.  Otherwise, HZ_LOCATIONS.PROVINCE if HZ_IMP_ADDRESSES_INT.PROVINCE is not null.  If both HZ_IMP_ADDRESSES_INT.STATE and HZ_IMP_ADDRESSES_INT.PROVINCE are null, then HZ_LOCATIONS.STATE.
COUNTY_STD	None	HZ_LOCATIONS.COUNTY
COUNTRY_STD	Mandatory. Foreign key to FND_TERRITORIES.TERRITORY_CODE.	HZ_LOCATIONS.COUNTRY
POSTAL_CODE_STD	None	HZ_LOCATIONS.POSTAL_CODE
ACCEPT_STANDARDIZED_FLAG	None	None
ADAPTER_CONTENT_SOURCE	None	None
ADDR_VALID_STATUS_CODE	Populate only if ACCEPT_STANDARDIZED_FLAG is Y	HZ_LOCATIONS.VALIDATION_STATUS_CODE
DATE_VALIDATED	Populate only if ACCEPT_STANDARDIZED_FLAG is Y.  Cannot pass for update if CONTENT_SOURCE_TYPE in HZ_LOCATIONS is USER_ENTERED.	HZ_LOCATIONS.DATE_VALIDATED
PARTY_SITE_NAME	None	HZ_PARTY_SITES.PARTY_SITE_NAME

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
PARTY_SITE_NUMBER	Not updateable. Cannot be updated to NULL. Must be unique. Use value if passed; otherwise, automatically generate from sequence.	HZ_PARTY_SITES.PARTY_SITE_NUMBER
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
VALIDATION_BATCH_ID	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_PARTY_SITES.CREATED_BY_MODULE
PRIMARY_FLAG	Y, N, or NULL	HZ_PARTY_SITES.IDENTIFYING_ADDRESS_FLAG

## HZ\_IMP\_ADDRESSUSES\_INT

The HZ\_IMP\_ADDRESSUSES\_INT table contains address use information to be imported into the TCA table HZ\_PARTY\_SITE\_USES.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
SITE_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SITE_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
SITE_USE_TYPE	Mandatory and not updateable. PARTY_SITE_USE_CODE lookup.  Combination of SITE_USE_TYPE and PARTY_SITE_ID must be unique for active party site use records.	HZ_PARTY_SITE_USES.SITE_USE_ TYPE
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ ID	None
LAST_UPDATE_DATE	None	None

HZ\_IMP\_ADDRESSUSES\_INT

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<b>Column</b>	<b>Validation</b>	<b>Destination</b>
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_PARTY_SITES.CREATED_BY_MODULE
PRIMARY_FLAG	Y, N, or NULL	HZ_PARTY_SITE_USES.PRIMARY_FLAG

## HZ\_IMP\_CLASSIFICS\_INT

The HZ\_IMP\_CLASSIFICS\_INT table contains classification information to be imported into the TCA table HZ\_CODE\_ASSIGNMENTS.

Within the same content source type, there should be no overlapping assignments for the same party and classification, or class category and class code combination.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
CLASS_CATEGORY	Mandatory and not updateable. Cannot be updated to NULL. Foreign key to HZ_CLASS_ CATEGORIES.	HZ_CODE_ASSIGNMENTS.CLASS_ CATEGORY
CLASS_CODE	Mandatory and not updateable. Cannot be updated to NULL. Must be a valid lookup code from the lookup type same as class category.	HZ_CODE_ASSIGNMENTS.CLASS_ CODE
START_DATE_ACTIVE	Mandatory. Cannot be updated to NULL.	HZ_CODE_ASSIGNMENTS.START_ DATE_ACTIVE
END_DATE_ACTIVE	Must be NULL or greater than START_DATE_ACTIVE	HZ_CODE_ASSIGNMENTS.END_ DATE_ACTIVE
RANK	None	HZ_CODE_ASSIGNMENTS.RANK
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None

HZ\_IMP\_CLASSIFICS\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory	HZ_CODE_ASSIGNMENTS.CREATED_BY_MODULE
PRIMARY_FLAG	Y, N, or NULL	HZ_CODE_ASSIGNMENTS.PRIMARY_FLAG

## HZ\_IMP\_CONTACTPTS\_INT

The HZ\_IMP\_CONTACTPTS\_INT table contains contact point information to be imported into the TCA table HZ\_CONTACT\_POINTS.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
CP_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
CP_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
SITE_ORIG_SYSTEM	ORIG_SYSTEM lookup	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SITE_ORIG_SYSTEM_REFERENCE	None	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
CONTACT_POINT_TYPE	Mandatory for inserts and not updateable. <i>EDI</i> value allowed only for party of type Organization. COMMUNICATION_TYPE lookup. Cannot be updated to NULL.	HZ_CONTACT_ POINTS.CONTACT_POINT_TYPE
CONTACT_POINT_PURPOSE	CONTACT_POINT_PURPOSE lookup. If <i>WEB</i> for CONTACT_ POINT_TYPE, then CONTACT_ POINT_PURPOSE_WEB lookup.	HZ_CONTACT_ POINTS.CONTACT_POINT_ PURPOSE

Column	Validation	Destination
EDI_ECE_TP_LOCATION_CODE	None	HZ_CONTACT_POINTS.EDI_ECE_TP_LOCATION_CODE
EDI_ID_NUMBER	Mandatory if CONTACT_POINT_TYPE is <i>EDI</i> .	HZ_CONTACT_POINTS.EDI_ID_NUMBER
EDI_PAYMENT_FORMAT	None	HZ_CONTACT_POINTS.EDI_PAYMENT_FORMAT
EDI_PAYMENT_METHOD	None	HZ_CONTACT_POINTS.EDI_PAYMENT_METHOD
EDI_REMITTANCE_INSTRUCTION	None	HZ_CONTACT_POINTS.EDI_REMITTANCE_INSTRUCTION
EDI_REMITTANCE_METHOD	None	HZ_CONTACT_POINTS.EDI_REMITTANCE_METHOD
EDI_TP_HEADER_ID	None	HZ_CONTACT_POINTS.EDI_TP_HEADER_ID
EDI_TRANSACTION_HANDLING	None	HZ_CONTACT_POINTS.EDI_TRANSACTION_HANDLING
EFT_PRINTING_PROGRAM_ID	None	HZ_CONTACT_POINTS.EFT_PRINTING_PROGRAM_ID
EFT_SWIFT_CODE	None	HZ_CONTACT_POINTS.EFT_SWIFT_CODE
EFT_TRANSMISSION_PROGRAM_ID	None	HZ_CONTACT_POINTS.EFT_TRANSMISSION_PROGRAM_ID
EFT_USER_NUMBER	None	HZ_CONTACT_POINTS.EFT_USER_NUMBER
EMAIL_ADDRESS	Mandatory if CONTACT_POINT_TYPE is <i>EMAIL</i>	HZ_CONTACT_POINTS.EMAIL_ADDRESS
EMAIL_FORMAT	If CONTACT_POINT_TYPE is <i>EMAIL</i> : <ul style="list-style-type: none"> <li>▪ Cannot update to NULL</li> <li>▪ EMAIL_FORMAT lookup</li> </ul>	HZ_CONTACT_POINTS.EMAIL_FORMAT
PHONE_AREA_CODE	None	HZ_CONTACT_POINTS.PHONE_AREA_CODE
PHONE_CALLING_CALENDAR	None	HZ_CONTACT_POINTS.PHONE_CALLING_CALENDAR

Column	Validation	Destination
PHONE_COUNTRY_CODE	Foreign key to HZ_PHONE_COUNTRY_CODES.PHONE_COUNTRY_CODE if CONTACT_POINT_TYPE is <i>PHONE</i>	HZ_CONTACT_POINTS.PHONE_COUNTRY_CODE
PHONE_EXTENSION	None	HZ_CONTACT_POINTS.PHONE_EXTENSION
PHONE_LINE_TYPE	Mandatory if CONTACT_POINT_TYPE is <i>PHONE</i> . PHONE_LINE_TYPE lookup.	HZ_CONTACT_POINTS.PHONE_LINE_TYPE
PHONE_NUMBER	If CONTACT_POINT_TYPE is <i>PHONE</i> , either PHONE_NUMBER or RAW_PHONE_NUMBER must be passed, but not both at the same time	HZ_CONTACT_POINTS.PHONE_NUMBER
RAW_PHONE_NUMBER	If CONTACT_POINT_TYPE is <i>PHONE</i> , either PHONE_NUMBER or RAW_PHONE_NUMBER must be passed, but not both at the same time	HZ_CONTACT_POINTS.RAW_PHONE_NUMBER
TELEX_NUMBER	Mandatory if CONTACT_POINT_TYPE is <i>TLX</i>	HZ_CONTACT_POINTS.TELEX_NUMBER
TIMEZONE_CODE	Foreign key to HZ_TIMEZONES.TIMEZONE_ID if CONTACT_POINT_TYPE is <i>PHONE</i>	HZ_CONTACT_POINTS.TIMEZONE_ID
URL	Mandatory if CONTACT_POINT_TYPE is <i>WEB</i>	HZ_CONTACT_POINTS.URL
WEB_TYPE	Mandatory if CONTACT_POINT_TYPE is <i>WEB</i>	HZ_CONTACT_POINTS.WEB_TYPE
ATTRIBUTE_CATEGORY	None	HZ_CONTACT_POINTS.ATTRIBUTE_CATEGORY
ATTRIBUTE1 TO ATTRIBUTE20	None	HZ_CONTACT_POINTS.ATTRIBUTE1 to HZ_CONTACT_POINTS.ATTRIBUTE20
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None

HZ\_IMP\_CONTACTPTS\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
CREATION_DATE	None.	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_CONTACT_POINTS.CREATED_BY_MODULE
PRIMARY_FLAG	Y, N, or NULL	HZ_CONTACT_POINTS.PRIMARY_FLAG

## HZ\_IMP\_CONTACTROLES\_INT

The HZ\_IMP\_CONTACTROLES\_INT table contains contact role information to be imported into the TCA table HZ\_ORG\_CONTACT\_ROLES.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
CONTACT_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
CONTACT_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
SUB_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SUB_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
ROLE_TYPE	Mandatory. Cannot be updated to NULL. CONTACT_ROLE_TYPE lookup. Combination of ROLE_TYPE and ORG_CONTACT_ID must be unique.	HZ_ORG_CONTACT_ ROLES.ROLE_TYPE
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ ID	None
LAST_UPDATE_DATE	None	None

HZ\_IMP\_CONTACTROLES\_INT

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<b>Column</b>	<b>Validation</b>	<b>Destination</b>
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_ORG_CONTACT_ROLES.CREATED_BY_MODULE

## HZ\_IMP\_CONTACTS\_INT

The HZ\_IMP\_CONTACTS\_INT table contains contact information to be imported into these TCA tables:

- HZ\_RELATIONSHIPS
- HZ\_ORG\_CONTACTS
- HZ\_PARTIES

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
CONTACT_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
CONTACT_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
SUB_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SUB_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
OBJ_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
OBJ_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
CONTACT_NUMBER	Use value if passed; otherwise, automatically generate from sequence	HZ_ORG_CONTACTS.CONTACT_ NUMBER
DEPARTMENT_CODE	DEPARTMENT_TYPE lookup	HZ_ORG_ CONTACTS.DEPARTMENT_CODE

HZ\_IMP\_CONTACTS\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
DEPARTMENT	None	HZ_ORG_CONTACTS.DEPARTMENT
TITLE	CONTACT_TITLE lookup	HZ_ORG_CONTACTS.TITLE
JOB_TITLE	None	HZ_ORG_CONTACTS.JOB_TITLE
JOB_TITLE_CODE	RESPONSIBILITY lookup	HZ_ORG_CONTACTS.JOB_TITLE_CODE
DECISION_MAKER_FLAG	Y, N, or NULL	HZ_ORG_CONTACTS.DECISION_MAKER_FLAG
REFERENCE_USE_FLAG	Y, N, or NULL	HZ_ORG_CONTACTS.REFERENCE_USE_FLAG
COMMENTS	None	HZ_ORG_CONTACTS.COMMENTS
RELATIONSHIP_TYPE	Mandatory and not updateable. Cannot be updated to NULL.	HZ_RELATIONSHIPS.RELATIONSHIP_TYPE
RELATIONSHIP_CODE	Mandatory and not updateable. PARTY_RELATIONS_TYPE lookup. Cannot be updated to NULL.	HZ_RELATIONSHIPS.RELATIONSHIP_CODE
START_DATE	Cannot be updated to NULL	HZ_RELATIONSHIPS.START_DATE
END_DATE	None	HZ_RELATIONSHIPS.END_DATE
REL_COMMENTS	None	HZ_RELATIONSHIPS.COMMENTS
ATTRIBUTE_CATEGORY	None	HZ_RELATIONSHIPS.ATTRIBUTE_CATEGORY
ATTRIBUTE1 to ATTRIBUTE20	None	HZ_RELATIONSHIPS.ATTRIBUTE1 to HZ_RELATIONSHIPS.ATTRIBUTE20
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_ORG_CONTACTS.CREATED_BY_MODULE

## HZ\_IMP\_CREDITRTNGS\_INT

The HZ\_IMP\_CREDITRTNGS\_INT table contains credit rating information to be imported into the TCA table HZ\_CREDIT\_RATINGS.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
RATED_AS_OF_DATE	Not updateable	HZ_CREDIT_RATINGS.RATED_AS_ OF_DATE
RATING_ORGANIZATION	Not updateable	HZ_CREDIT_RATINGS.RATING_ ORGANIZATION
AVG_HIGH_CREDIT	None	HZ_CREDIT_RATINGS.AVG_ HIGH_CREDIT
BANKRUPTCY_IND	Y, N, or NULL	HZ_CREDIT_ RATINGS.BANKRUPTCY_IND
BUSINESS_DISCONTINUED	None	HZ_CREDIT_RATINGS.BUSINESS_ DISCONTINUED
CLAIMS_IND	None	HZ_CREDIT_RATINGS.CLAIMS_ IND
COMMENTS	None	HZ_CREDIT_ RATINGS.COMMENTS
CR_SCR_CLAS_EXPL	None	HZ_CREDIT_RATINGS.CR_SCR_ CLAS_EXPL
CREDIT_SCORE	None	HZ_CREDIT_RATINGS.CREDIT_ SCORE
CREDIT_SCORE_AGE	None	HZ_CREDIT_RATINGS.CREDIT_ SCORE_AGE

Column	Validation	Destination
CREDIT_SCORE_CLASS	None	HZ_CREDIT_RATINGS.CREDIT_SCORE_CLASS
CREDIT_SCORE_COMMENTARY to CREDIT_SCORE_ COMMENTARY10	CREDIT_SCORE_ COMMENTARY lookup	HZ_CREDIT_RATINGS.CREDIT_ SCORE_COMMENTARY to HZ_ CREDIT_RATINGS.CREDIT_ SCORE_COMMENTARY10
CREDIT_SCORE_DATE	None	HZ_CREDIT_RATINGS.CREDIT_ SCORE_DATE
CREDIT_SCORE_INCD_DEFAULT	None	HZ_CREDIT_RATINGS.CREDIT_ SCORE_INCD_DEFAULT
CREDIT_SCORE_NATL_ PERCENTILE	None	HZ_CREDIT_RATINGS.CREDIT_ SCORE_NATL_PERCENTILE
CREDIT_SCORE_OVERRIDE_ CODE	FAILURE_SCORE_OVERRIDE_ CODE lookup	HZ_CREDIT_RATINGS.CREDIT_ SCORE_OVERRIDE_CODE
CRIMINAL_PROCEEDING_IND	None	HZ_CREDIT_RATINGS.CRIMINAL_ PROCEEDING_IND
DEBARMENT_IND	Y, N, or NULL	HZ_CREDIT_ RATINGS.DEBARMENT_IND
DEBARMENTS_COUNT	None	HZ_CREDIT_ RATINGS.DEBARMENTS_COUNT
DEBARMENTS_DATE	None	HZ_CREDIT_ RATINGS.DEBARMENTS_DATE
DELQ_PMT_PCTG_FOR_ALL_ FIRMS	None	HZ_CREDIT_RATINGS.DELQ_ PMT_PCTG_FOR_ALL_FIRMS
DELQ_PMT_RNG_PRCNT	None	HZ_CREDIT_RATINGS.DELQ_ PMT_RNG_PRCNT
DESCRIPTION	None	HZ_CREDIT_ RATINGS.DESCRPTION
DET_HISTORY_IND	None	HZ_CREDIT_RATINGS.DET_ HISTORY_IND
DISASTER_IND	None	HZ_CREDIT_RATINGS.DISASTER_ IND
FAILURE_SCORE	None	HZ_CREDIT_RATINGS.FAILURE_ SCORE
FAILURE_SCORE_AGE	None	HZ_CREDIT_RATINGS.FAILURE_ SCORE_AGE

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
FAILURE_SCORE_CLASS	None	HZ_CREDIT_RATINGS.FAILURE_SCORE_CLASS
FAILURE_SCORE_COMMENTARY to FAILURE_SCORE_COMMENTARY10	FAILURE_SCORE_COMMENTARY lookup	HZ_CREDIT_RATINGS.FAILURE_SCORE_COMMENTARY to HZ_CREDIT_RATINGS.FAILURE_SCORE_COMMENTARY10
FAILURE_SCORE_DATE	None	HZ_CREDIT_RATINGS.FAILURE_SCORE_DATE
FAILURE_SCORE_INCD_DEFAULT	None	HZ_CREDIT_RATINGS.FAILURE_SCORE_INCD_DEFAULT
FAILURE_SCORE_NATNL_PERCENTILE	None	HZ_CREDIT_RATINGS.FAILURE_SCORE_NATNL_PERCENTILE
FAILURE_SCORE_OVERRIDE_CODE	FAILURE_SCORE_OVERRIDE_CODE lookup	HZ_CREDIT_RATINGS.FAILURE_SCORE_OVERRIDE_CODE
FINCL_EMBT_IND	Y, N, or NULL	HZ_CREDIT_RATINGS.FINCL_EMBT_IND
FINCL_LGL_EVENT_IND	None	HZ_CREDIT_RATINGS.FINCL_LGL_EVENT_IND
GLOBAL_FAILURE_SCORE	None	HZ_CREDIT_RATINGS.GLOBAL_FAILURE_SCORE
HIGH_CREDIT	None	HZ_CREDIT_RATINGS.HIGH_CREDIT
HIGH_RNG_DELQ_SCR	None	HZ_CREDIT_RATINGS.HIGH_RNG_DELQ_SCR
JUDGEMENT_IND	Y, N, or NULL	HZ_CREDIT_RATINGS.JUDGEMENT_IND
LIEN_IND	Y, N, or NULL	HZ_CREDIT_RATINGS.LIEN_IND
LOW_RNG_DELQ_SCR	None	HZ_CREDIT_RATINGS.LOW_RNG_DELQ_SCR
MAXIMUM_CREDIT_CURRENCY_CODE	Foreign key to FND_CURRENCIES.CURRENCY_CODE with Y for CURRENCY_FLAG and Y or N for ENABLED_FLAG	HZ_CREDIT_RATINGS.MAXIMUM_CREDIT_CURRENCY_CODE

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
MAXIMUM_CREDIT_RECOMMENDATION	None	HZ_CREDIT_RATINGS.MAXIMUM_CREDIT_RECOMMENDATION
NEGV_PMT_EXPL	None	HZ_CREDIT_RATINGS.NEGV_PMT_EXPL
NO_TRADE_IND	Y, N, or NULL	HZ_CREDIT_RATINGS.NO_TRADE_IND
NUM_PRNT_BKCY_CONVS	None	HZ_CREDIT_RATINGS.NUM_PRNT_BKCY_CONVS
NUM_PRNT_BKCY_FILING	None	HZ_CREDIT_RATINGS.NUM_PRNT_BKCY_FILING
NUM_SPCL_EVENT	None	HZ_CREDIT_RATINGS.NUM_SPCL_EVENT
NUM_TRADE_EXPERIENCES	None	HZ_CREDIT_RATINGS.NUM_TRADE_EXPERIENCES
OPRG_SPEC_EVNT_IND	None	HZ_CREDIT_RATINGS.OPRG_SPEC_EVNT_IND
OTHER_SPEC_EVNT_IND	None	HZ_CREDIT_RATINGS.OTHER_SPEC_EVNT_IND
PAYDEX_COMMENT	None	HZ_CREDIT_RATINGS.PAYDEX_COMMENT
PAYDEX_FIRM_COMMENT	None	HZ_CREDIT_RATINGS.PAYDEX_FIRM_COMMENT
PAYDEX_FIRM_DAYS	None	HZ_CREDIT_RATINGS.PAYDEX_FIRM_DAYS
PAYDEX_INDUSTRY_COMMENT	None	HZ_CREDIT_RATINGS.PAYDEX_INDUSTRY_COMMENT
PAYDEX_INDUSTRY_DAYS	None	HZ_CREDIT_RATINGS.PAYDEX_INDUSTRY_DAYS
PAYDEX_NORM	None	HZ_CREDIT_RATINGS.PAYDEX_NORM
PAYDEX_SCORE	None	HZ_CREDIT_RATINGS.PAYDEX_SCORE
PAYDEX_THREE_MONTHS_AGO	None	HZ_CREDIT_RATINGS.PAYDEX_THREE_MONTHS_AGO

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
PRNT_BKCY_CHAPTER_CONV	None	HZ_CREDIT_RATINGS.PRNT_BKCY_CHAPTER_CONV
PRNT_BKCY_CONV_DATE	None	HZ_CREDIT_RATINGS.PRNT_BKCY_CONV_DATE
PRNT_BKCY_CONV_DATE	None	HZ_CREDIT_RATINGS.PRNT_BKCY_CONV_DATE
PRNT_BKCY_FILG_CHAPTER	None	HZ_CREDIT_RATINGS.PRNT_BKCY_FILG_CHAPTER
PRNT_BKCY_FILG_DATE	None	HZ_CREDIT_RATINGS.PRNT_BKCY_FILG_DATE
PRNT_BKCY_FILG_TYPE	None	HZ_CREDIT_RATINGS.PRNT_BKCY_FILG_TYPE
PRNT_HQ_BKCY_IND	PRNT_HQ_IND lookup	HZ_CREDIT_RATINGS.PRNT_HQ_BKCY_IND
PUB_REC_EXPL	None	HZ_CREDIT_RATINGS.PUB_REC_EXPL
RATING	None	HZ_CREDIT_RATINGS.RATING
SECURED_FLNG_IND	None	HZ_CREDIT_RATINGS.SECURED_FLNG_IND
SLOW_TRADE_EXPL	None	HZ_CREDIT_RATINGS.SLOW_TRADE_EXPL
SPCL_EVENT_COMMENT	None	HZ_CREDIT_RATINGS.SPCL_EVENT_COMMENT
SPCL_EVENT_UPDATE_DATE	None	HZ_CREDIT_RATINGS.SPCL_EVENT_UPDATE_DATE
SPCL_EVNT_TXT	None	HZ_CREDIT_RATINGS.SPCL_EVNT_TXT
SUIT_IND	Y, N, or NULL	HZ_CREDIT_RATINGS.SUIT_IND
SUIT_JUDGE_IND	None	HZ_CREDIT_RATINGS.SUIT_JUDGE_IND
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_CREDIT_RATINGS.CREATED_BY_MODULE

## HZ\_IMP\_FINNUMBERS\_INT

The HZ\_IMP\_FINNUMBERS\_INT table contains financial number information to be imported into the TCA table HZ\_FINANCIAL\_NUMBERS.

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
TYPE_OF_FINANCIAL_REPORT	None	None
DOCUMENT_REFERENCE	None	None
DATE_REPORT_ISSUED	None	None
ISSUED_PERIOD	None	None
REPORT_START_DATE	None	None
REPORT_END_DATE	None	None
FINANCIAL_NUMBER_NAME	FIN_NUM_NAME lookup. Combination of FINANCIAL_ NUMBER_NAME and FINANCIAL_REPORT_ID must be unique.	HZ_FINANCIAL_ NUMBERS.FINANCIAL_NUMBER_ NAME
FINANCIAL_NUMBER	None	HZ_FINANCIAL_ NUMBERS.FINANCIAL_NUMBER
FINANCIAL_NUMBER_ CURRENCY	None	HZ_FINANCIAL_ NUMBERS.FINANCIAL_NUMBER_ CURRENCY
FINANCIAL_UNITS_APPLIED	None	HZ_FINANCIAL_ NUMBERS.FINANCIAL_UNITS_ APPLIED

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
PROJECTED_ACTUAL_FLAG	None	HZ_FINANCIAL_NUMBERS.PROJECTED_ACTUAL_FLAG
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_FINANCIAL_NUMBERS.CREATED_BY_MODULE

## HZ\_IMP\_FINREPORTS\_INT

The HZ\_IMP\_FINREPORTS\_INT table contains financial report information to be imported into the TCA table HZ\_FINANCIAL\_REPORTS.

This combination of values in these columns must be unique:

- PARTY\_ID
- FINANCIAL\_REPORT\_TYPE
- DOCUMENT\_REFERENCE
- DATE\_REPORT\_ISSUED
- ISSUED\_PERIOD or REPORT\_START\_DATE and REPORT\_END\_DATE
- ACTUAL\_CONTENT\_SOURCE

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
TYPE_OF_FINANCIAL_REPORT	None	HZ_FINANCIAL_REPORTS.TYPE_ OF_FINANCIAL_REPORT
DOCUMENT_REFERENCE	None	HZ_FINANCIAL_ REPORTS.DOCUMENT_ REFERENCE
DATE_REPORT_ISSUED	None	HZ_FINANCIAL_REPORTS.DATE_ REPORT_ISSUED
ISSUED_PERIOD	Either ISSUED_PERIOD alone or the REPORT_START_DATE and REPORT_END_DATE combination is mandatory. Cannot pass both.	HZ_FINANCIAL_ REPORTS.ISSUED_PERIOD

Column	Validation	Destination
REPORT_START_DATE	Either ISSUED_PERIOD alone or the REPORT_START_DATE and REPORT_END_DATE combination is mandatory. Cannot pass both.	HZ_FINANCIAL_REPORTS.REPORT_START_DATE
REPORT_END_DATE	Equal to or greater than REPORT_START_DATE.  Can and must be populated only if REPORT_START_DATE has value.  Either ISSUED_PERIOD alone or the REPORT_START_DATE and REPORT_END_DATE combination is mandatory. Cannot pass both.	HZ_FINANCIAL_REPORTS.REPORT_END_DATE
AUDIT_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.AUDIT_IND
CONSOLIDATED_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.CONSOLIDATED_IND
ESTIMATED_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.ESTIMATED_IND
FINAL_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.FINAL_IND
FISCAL_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.FISCAL_IND
FORECAST_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.FORECAST_IND
OPENING_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.OPENING_IND
PROFORMA_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.PROFORMA_IND
QUALIFIED_IND	Y, N, or NULL	HZ_FINANCIAL_REPORTS.QUALIFIED_IND
REQUIRING_AUTHORITY	None	HZ_FINANCIAL_REPORTS.REQUIRING_AUTHORITY

HZ\_IMP\_FINREPORTS\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
RESTATED_IND	Y, N, or NULL	HZ_FINANCIAL_Reports.RESTATED_IND
SIGNED_BY_PRINCIPALS_IND	Y, N, or NULL	HZ_FINANCIAL_Reports.SIGNED_BY_PRINCIPALS_IND
TRIAL_BALANCE_IND	Y, N, or NULL	HZ_FINANCIAL_Reports.TRIAL_BALANCE_IND
UNBALANCED_IND	Y, N, or NULL	HZ_FINANCIAL_Reports.UNBALANCED_IND
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_FINANCIAL_Reports.CREATED_BY_MODULE

## HZ\_IMP\_PARTIES\_INT

The HZ\_IMP\_PARTIES\_INT table contains party information to be imported into these TCA tables:

- HZ\_PARTIES
- HZ\_ORGANIZATION\_PROFILES
- HZ\_PERSON\_PROFILES

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
PARTY_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
PARTY_ORIG_SYSTEM_ REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
PARTY_TYPE	Mandatory and not updateable. PARTY_TYPE lookup. Value must be <i>PERSON</i> or <i>ORGANIZATION</i> .	HZ_PARTIES.PARTY_TYPE
PARTY_ID	For internal use only. Any passed value is ignored. Cannot be updated to NULL.	None
PARTY_NUMBER	Not updateable. Must be unique. Cannot be updated to NULL. Use value if passed; otherwise, automatically generate from sequence.	HZ_PARTIES.PARTY_NUMBER
SALUTATION	None	HZ_PARTIES.SALUTATION

Column	Validation	Destination
ATTRIBUTE_CATEGORY	None	HZ_PARTIES.ATTRIBUTE_CATEGORY
ATTRIBUTE1 to ATTRIBUTE24	None	HZ_PARTIES.ATTRIBUTE1 to HZ_PARTIES.ATTRIBUTE24
JGZZ_FISCAL_CODE	None	HZ_ORGANIZATION_PROFILES.JGZZ_FISCAL_CODE or HZ_PERSON_PROFILES.JGZZ_FISCAL_CODE
TAX_REFERENCE	OWN_RENT_IND lookup	HZ_ORGANIZATION_PROFILES.TAX_REFERENCE or HZ_PERSON_PROFILES.TAX_REFERENCE
KNOWN_AS to KNOWN_AS5	None	HZ_ORGANIZATION_PROFILES.KNOWN_AS to HZ_PARTIES.KNOWN_AS5 or HZ_PERSON_PROFILES.KNOWN_AS to HZ_PARTIES.KNOWN_AS5
RENT_OWN_IND	OWN_RENT_IND lookup	HZ_ORGANIZATION_PROFILES.RENT_OWN_IND or HZ_PERSON_PROFILES.RENT_OWN_IND
ORGANIZATION_NAME	Mandatory. Cannot be updated to NULL.	HZ_ORGANIZATION_PROFILES.ORGANIZATION_NAME
ORGANIZATION_NAME_PHONETIC	None	HZ_ORGANIZATION_PROFILES.ORGANIZATION_NAME_PHONETIC
ORGANIZATION_TYPE	None	HZ_ORGANIZATION_PROFILES.ORGANIZATION_TYPE
ANALYSIS_FY	None	HZ_ORGANIZATION_PROFILES.ANALYSIS_FY

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
BRANCH_FLAG	Y, N, or NULL	HZ_ORGANIZATION_ PROFILES.BRANCH_FLAG
BUSINESS_SCOPE	None	HZ_ORGANIZATION_ PROFILES.BUSINESS_SCOPE
CEO_NAME	None	HZ_ORGANIZATION_ PROFILES.CEO_NAME
CEO_TITLE	None	HZ_ORGANIZATION_ PROFILES.CEO_TITLE
CONG_DIST_CODE	None	HZ_ORGANIZATION_ PROFILES.CONG_DIST_CODE
CONTROL_YR	None	HZ_ORGANIZATION_ PROFILES.CONTROL_YR
CORPORATION_CLASS	None	HZ_ORGANIZATION_ PROFILES.CORPORATION_CLASS
CURR_FY_POTENTIAL_ REVENUE	None	HZ_ORGANIZATION_ PROFILES.CURR_FY_POTENTIAL_ REVENUE
NEXT_FY_POTENTIAL_ REVENUE	None	HZ_ORGANIZATION_ PROFILES.NEXT_FY_POTENTIAL_ REVENUE
PREF_FUNCTIONAL_CURRENCY	None	HZ_ORGANIZATION_ PROFILES.PREF_FUNCTIONAL_ CURRENCY
DISADV_8A_IND	Y, N, or NULL	HZ_ORGANIZATION_ PROFILES.DISADV_8A_IND
DO_NOT_CONFUSE_WITH	None	HZ_ORGANIZATION_ PROFILES.DO_NOT_CONFUSE_ WITH
DUNS_NUMBER_C	None	HZ_ORGANIZATION_ PROFILES.DUNS_NUMBER_C
EMP_AT_PRIMARY_ADR	None	HZ_ORGANIZATION_ PROFILES.EMP_AT_PRIMARY_ ADR
EMP_AT_PRIMARY_ADR_EST_ IND	EMP_AT_PRIMARY_ADR_EST_ IND lookup	HZ_ORGANIZATION_ PROFILES.EMP_AT_PRIMARY_ ADR_EST_IND

HZ\_IMP\_PARTIES\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
EMP_AT_PRIMARY_ADR_MIN_IND	EMP_AT_PRIMARY_ADR_MIN_IND lookup	HZ_ORGANIZATION_PROFILES.EMP_AT_PRIMARY_ADR_MIN_IND
EMP_AT_PRIMARY_ADR_TEXT	None	HZ_ORGANIZATION_PROFILES.EMP_AT_PRIMARY_ADR_TEXT
EMPLOYEES_TOTAL	None	HZ_ORGANIZATION_PROFILES.EMPLOYEES_TOTAL
DISPLAYED_DUNS	None	None
EXPORT_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.EXPORT_IND
FISCAL_YEAREND_MONTH	MONTH lookup	HZ_ORGANIZATION_PROFILES.FISCAL_YEAREND_MONTH
GSA_INDICATOR_FLAG	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.GSA_INDICATOR_FLAG
HQ_BRANCH_IND	HQ_BRANCH_IND lookup	HZ_ORGANIZATION_PROFILES.HQ_BRANCH_IND
IMPORT_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.IMPORT_IND
INCORP_YEAR	None	HZ_ORGANIZATION_PROFILES.INCORP_YEAR
LABOR_SURPLUS_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.LABOR_SURPLUS_IND
LEGAL_STATUS	LEGAL_STATUS lookup	HZ_ORGANIZATION_PROFILES.LEGAL_STATUS
LINE_OF_BUSINESS	None	HZ_ORGANIZATION_PROFILES.LINE_OF_BUSINESS
LOCAL_BUS_IDENTIFIER	None	HZ_ORGANIZATION_PROFILES.LOCAL_BUS_IDENTIFIER
LOCAL_BUS_IDEN_TYPE	LOCAL_BUS_IDEN_TYPE lookup	HZ_ORGANIZATION_PROFILES.LOCAL_BUS_IDEN_TYPE

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
MINORITY_OWNED_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.MINORITY_OWNED_IND
MINORITY_OWNED_TYPE	None	HZ_ORGANIZATION_PROFILES.MINORITY_OWNED_TYPE
MISSION_STATEMENT	None	HZ_ORGANIZATION_PROFILES.MISSION_STATEMENT
OOB_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.OOB_IND
PARENT_SUB_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.PARENT_SUB_IND
PRINCIPAL_NAME	None	HZ_ORGANIZATION_PROFILES.PRINCIPAL_NAME
PRINCIPAL_TITLE	None	HZ_ORGANIZATION_PROFILES.PRINCIPAL_TITLE
PUBLIC_PRIVATE_OWNERSHIP_FLAG	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.PUBLIC_PRIVATE_OWNERSHIP_FLAG
REGISTRATION_TYPE	REGISTRATION_TYPE lookup	HZ_ORGANIZATION_PROFILES.REGISTRATION_TYPE
SMALL_BUS_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.SMALL_BUS_IND
TOTAL_EMP_EST_IND	TOTAL_EMP_EST_IND lookup	HZ_ORGANIZATION_PROFILES.TOTAL_EMP_EST_IND
TOTAL_EMP_MIN_IND	TOTAL_EMP_MIN_IND lookup	HZ_ORGANIZATION_PROFILES.TOTAL_EMP_MIN_IND
TOTAL_EMPLOYEES_IND	TOTAL_EMPLOYEES_INDICATOR lookup	HZ_ORGANIZATION_PROFILES.TOTAL_EMPLOYEES_IND
TOTAL_EMPLOYEES_TEXT	None	HZ_ORGANIZATION_PROFILES.TOTAL_EMPLOYEES_TEXT
TOTAL_PAYMENTS	None	HZ_ORGANIZATION_PROFILES.TOTAL_PAYMENTS

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
WOMAN_OWNED_IND	Y, N, or NULL	HZ_ORGANIZATION_PROFILES.WOMAN_OWNED_IND
YEAR_ESTABLISHED	None	HZ_ORGANIZATION_PROFILES.YEAR_ESTABLISHED
PERSON_FIRST_NAME	A value must be passed for either PERSON_FIRST_NAME or PERSON_LAST_NAME.  Cannot be updated to NULL.	HZ_PERSON_PROFILES.PERSON_FIRST_NAME
PERSON_LAST_NAME	A value must be passed for either PERSON_FIRST_NAME or PERSON_LAST_NAME.  Cannot be updated to NULL.	HZ_PERSON_PROFILES.PERSON_LAST_NAME
PERSON_MIDDLE_NAME	None	HZ_PERSON_PROFILES.PERSON_MIDDLE_NAME
PERSON_INITIALS	None	HZ_PERSON_PROFILES.PERSON_INITIALS
PERSON_NAME_SUFFIX	None	HZ_PERSON_PROFILES.PERSON_NAME_SUFFIX
PERSON_PRE_NAME_ADJUNCT	CONTACT_TITLE lookup	HZ_PERSON_PROFILES.PERSON_PRE_NAME_ADJUNCT
PERSON_PREVIOUS_LAST_NAME	None	HZ_PERSON_PROFILES.PERSON_PREVIOUS_LAST_NAME
PERSON_TITLE	None	HZ_PERSON_PROFILES.PERSON_TITLE
PERSON_FIRST_NAME_PHONETIC	None	HZ_PERSON_PROFILES.PERSON_FIRST_NAME_PHONETIC
PERSON_LAST_NAME_PHONETIC	None	HZ_PERSON_PROFILES.PERSON_LAST_NAME_PHONETIC
PERSON_MIDDLE_NAME_PHONETIC	None	HZ_PERSON_PROFILES.MIDDLE_NAME_PHONETIC
PERSON_NAME_PHONETIC	None	HZ_PERSON_PROFILES.PERSON_NAME_PHONETIC
PERSON_ACADEMIC_TITLE	None	HZ_PERSON_PROFILES.PERSON_ACADEMIC_TITLE

Column	Validation	Destination
DATE_OF_BIRTH	Cannot be later than the system date. If DATE_OF_DEATH and DATE_OF_BIRTH are both passed, then the date of death must be later than the date of birth.	HZ_PERSON_PROFILES.DATE_OF_BIRTH
PLACE_OF_BIRTH	None	HZ_PERSON_PROFILES.PLACE_OF_BIRTH
DATE_OF_DEATH	Cannot be later than the system date. If DATE_OF_DEATH and DATE_OF_BIRTH are both passed, then the date of death must be later than the date of birth.	HZ_PERSON_PROFILES.DATE_OF_DEATH
DECEASED_FLAG	Y, N, or NULL. If DATE_OF_DEATH is not NULL, then DECEASED_FLAG must be Y.	HZ_PERSON_PROFILES.DECEASED_FLAG
DECLARED_ETHNICITY	None	HZ_PERSON_PROFILES.DECLARED_ETHNICITY
GENDER	None	HZ_PERSON_PROFILES.GENDER
HEAD_OF_HOUSEHOLD_FLAG	Y, N, or NULL	HZ_PERSON_PROFILES.HEAD_OF_HOUSEHOLD_FLAG
HOUSEHOLD_INCOME	None	HZ_PERSON_PROFILES.HOUSEHOLD_INCOME
HOUSEHOLD_SIZE	None	HZ_PERSON_PROFILES.HOUSEHOLD_SIZE
MARITAL_STATUS	MARITAL_STATUS lookup	HZ_PERSON_PROFILES.MARITAL_STATUS
MARITAL_STATUS_EFFECTIVE_DATE	None	HZ_PERSON_PROFILES.MARITAL_STATUS_EFFECTIVE_DATE
PERSON_IDEN_TYPE	None	HZ_PERSON_PROFILES.PERSON_IDEN_TYPE
PERSON_IDENTIFIER	None	HZ_PERSON_PROFILES.PERSON_IDENTIFIER

HZ\_IMP\_PARTIES\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
PERSONAL_INCOME	None	HZ_PERSON_PROFILES.PERSONAL_INCOME
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_ORGANIZATION_PROFILES.CREATED_BY_MODULE or HZ_PERSON_PROFILES.CREATED_BY_MODULE

## HZ\_IMP\_RELATIONSHIPS\_INT

The HZ\_IMP\_RELATIONSHIPS\_INT table contains relationship information to be imported into these TCA tables:

- HZ\_RELATIONSHIPS
- HZ\_PARTIES
- HZ\_ORG\_CONTACTS (Optional)

This table lists the columns in the interface table, as well as the validation and destination.

Column	Validation	Destination
BATCH_ID	Mandatory	None
SUB_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
SUB_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
OBJ_ORIG_SYSTEM	Mandatory. ORIG_SYSTEM lookup.	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM
OBJ_ORIG_SYSTEM_REFERENCE	Mandatory	HZ_ORIG_SYS_ REFERENCES.ORIG_SYSTEM_ REFERENCE
INSERT_UPDATE_FLAG	Y, N, or NULL	None
RELATIONSHIP_TYPE	Mandatory and not updateable. Cannot be updated to NULL.	HZ_ RELATIONSHIPS.RELATIONSHIP_ TYPE
RELATIONSHIP_CODE	Mandatory and not updateable. PARTY_RELATIONS_TYPE lookup. Cannot be updated to NULL.	HZ_ RELATIONSHIPS.RELATIONSHIP_ CODE
START_DATE	Cannot be updated to NULL	HZ_RELATIONSHIPS.START_DATE
END_DATE	None	HZ_RELATIONSHIPS.END_DATE
COMMENTS	None	HZ_RELATIONSHIPS.COMMENTS

HZ\_IMP\_RELATIONSHIPS\_INT

<b>Column</b>	<b>Validation</b>	<b>Destination</b>
ATTRIBUTE_CATEGORY	None	HZ_RELATIONSHIPS.ATTRIBUTE_CATEGORY
ATTRIBUTE1 to ATTRIBUTE20	None	HZ_RELATIONSHIPS.ATTRIBUTE1 to HZ_RELATIONSHIPS.ATTRIBUTE20
INTERFACE_STATUS	None	None
ACTION_FLAG	None	None
ERROR_ID	None	None
CREATION_DATE	None	None
CREATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_DATE	None	None
LAST_UPDATED_BY	Foreign key to FND_USER.USER_ID	None
LAST_UPDATE_LOGIN	Foreign key to FND_LOGINS.LOGIN_ID	None
REQUEST_ID	Foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID	None
PROGRAM_APPLICATION_ID	Foreign key to FND_APPLICATION.APPLICATION_ID	None
PROGRAM_ID	Foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID	None
PROGRAM_UPDATE_DATE	None	None
CREATED_BY_MODULE	Mandatory and not updateable unless current value in TCA is NULL	HZ_RELATIONSHIPS.CREATED_BY_MODULE

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## D&B Data Elements

This chapter lists and describes the D&B data elements supported by Third Party Data Integration.

## D&B Data Elements Overview

The D&B data products include over 150 separate data elements that are mapped to columns in the TCA Registry. The names of some of the D&B data elements are slightly different from the column names in the HZ tables.

**See Also:** *Oracle eBusiness Suite Electronic Technical Reference Manual (eTRM)*

### **See Also**

General Data Elements on page 3-3

Financial Data Elements on page 3-17

## General Data Elements

### **Average High Credit**

The average high credit represents the median of the highest credit extended to the subject business over the past 12 months. The average is calculated by taking the sum of all high credit dollar amounts from unique supplier account experiences divided by the total number of account experiences.

### **Capital Type**

This element group describes the amount and type of capital in the business. The amount and currency code specify the value. Type Indicator describes whether the amount is Issued Capital, Paid in Capital, Nominal, or Authorized. Paid Up or Issued Capital is the amount of capital pledged by shareholders at any given time and is calculated by multiplying the number of shares issued by the par value or face of each share. Some shares confer different obligations or voting rights on their owners. The share capital is a component of the equity of any company along with reserves and accumulated profits or losses. In the event of a liquidation of the business, any shares not yet paid up must be fully paid up at that time. Nominal or Authorized Capital refers to a maximum amount of set issued or paid-up capital beyond which the subject could not issue any further capital or shares.

### **CEO Name**

The name of the individual identified as having the chief executive function. The CEO is the highest ranking person on site: President, Owner, Branch Manager, and so on. Some data products provide the individual's title along with the name.

### **CEO Title**

The position title of the primary executive in the company.

### **Claims Indicator**

Indicates if open claims, liens, protested bills, warrants, Social Securities Summons, or equivalent exist in the D&B database for the case company.

### **Commentary**

Automatically generated comments, as necessary.

### **Commentary Counter**

Number of Commentary items.

**Commercial Credit Score (USA)**

The Commercial Credit Score (USA) is a statistically modeled D&B score indicating the risk of delinquent payments based on the information in D&B's files. The higher the score, the lower the probability of payment delinquency.

The Commercial Credit Score (USA) predicts the likelihood that a company will pay its bills in a severely delinquent manner (over 90 days past term) within the next twelve months. Severely delinquent is defined as a business with at least 25% of its payments slow and at least 10% of its payments 90 days or more past due.

This score is only available to D&B customers in the United States for businesses located in the United States.

**Commercial Credit Score (USA) Data Product**

This data product includes the Commercial Credit Score (USA) as well as other indicators of creditworthiness such as the D&B Credit Rating, the Paydex score, and bankruptcy information.

This score is only available to D&B customers in the United States for businesses located in the United States.

**Control Year**

The year that the present majority control or ownership of shares was established. Can be the same as Start Year.

**Country Code**

The two character ISO code for the country where the business is located.

**Credit Score Class**

A number between 0 and 5 that indicates the risk of delinquent payments over the next 12 months.

**Credit Score Class Explanation**

A descriptive explanation of the Credit Score Class. It describes the risk of delinquent payment over the next 12 months.

**Credit Score Percentile**

The percentile places the business in a 1 to 100 rank order with 1 indicating the highest risk and 100 indicating the lowest risk among the other businesses in D&B's US database.

**Criminal Indicator**

The Criminal Indicator provides an indication of whether criminal proceedings related to the case exist in D&B's database.

**Currency**

Default three character ISO currency code for figures in the data product.

**D & B Rating**

The D&B Rating gives an indication of credit worthiness. The D&B Rating is normally divided into two parts, the financial strength code and the risk indicator reflects the risk associated with the business. The Financial Strength component is an indication of the size of the subject's tangible net worth (that is, the shareholders funds less any intangible assets) based primarily on the most recent fiscal balance sheet results. The Composite Appraisal component is linked to the level of risk and is an overall evaluation of credit worthiness. It takes into account the financial condition but also several nonfinancial factors such as trade payment history, length of operation, employee numbers, legal structure, management experience, and any adverse listings.

In some countries, D&B uses other information in its databases to assign an ER code (size by employee range) to businesses within specific industries or *R* ratings for companies without current financial statements on file. The Rating Interpretation Tables contain specific rating definitions and interpretation tables for countries around the world.

**Date Scored**

The date on which the Commercial Credit Score was generated.

**Debarments Element Group**

A count of the US government debarments present in the D&B file and the date of the last current debarment filing.

**Delinquency Score (calculated)**

The Credit/Delinquency Score is a statistically modeled D&B score indicating the risk of delinquent payments based on the information in D&B's files. The higher the Delinquency Score, the lower the probability of payment delinquency.

The US Delinquency Score predicts the likelihood that a company will pay its bills in a severely delinquent manner (over 90 days past term), or obtain legal relief from creditors, or cease operations without paying all creditors in full over the next 12 months, based on the information in D&B's files. Severely delinquent is defined as a business with at least 25% of its payments slow and at least 10% of its payments 90 days or more past due.

The Australian Delinquency Score measures the probability that a business will pay in a severely delinquent manner, defined as at least 10% of trade payments being more than 90 days beyond terms in the next 12 months.

The New Zealand Delinquency Score predicts the probability of severely delinquent payment within the next 12 months; however, the definition of severely delinquent is at least 20% of trade payments being more than 60 days beyond terms.

The Canadian Delinquency Score predicts the likelihood of a firm paying in a severely delinquent manner during the next twelve months where severely delinquent is defined as over 90 days past terms.

### **Delinquency Score Class**

The Delinquency Score Class enables you to quickly segment your new and existing accounts into various risk segments to determine appropriate marketing or credit policies. The Class segments the data into five distinct risk groups where 1 represents businesses that have the lowest probability of severe delinquency, 5 represents businesses with the highest probability of severe delinquency. The Incidence of default relates the percentage probability of delinquency outcome for a score range/class.

### **Delinquency Score Commentary**

The Credit (Delinquency) Score Commentary is a repeating field containing codes which explain the conditions driving the score assigned to the business.

### **Delinquency Score Industry Percentile, Delinquency Score National Percentile**

The Delinquency Score Percentile illustrates where a company falls among businesses in the D&B information base, and is most effectively used to rank order portfolios from highest to lowest risk of business failure. The percentile is based on a 1 to 100 scale, where 1 represents businesses that have the highest probability of severe delinquency, and 100 which represents businesses with the lowest probability of severe delinquency.

### **Delinquency Score Override Code**

Delinquency Score Override Code is populated for special case instances in Australia where the delinquency score is a special value (0, 893-895) or cannot be calculated.

### **Disaster Special Events Indicator**

Indicates if special events exist in the D&B database for the subject company concerning disasters such as fire, flood, earthquake, hurricane, and so on.

### **Domestic Ultimate Element Group**

This group of elements provides the Domestic Ultimate Name, DUNS Number, and country code in which the business is located. The Domestic Ultimate is the highest corporate family member in the same country as the subject business if you walk up the branch of the corporate family tree. A business may be its own domestic

ultimate. The fields will be blank if the subject business is a single location (not linked) in the D&B database. The Domestic Ultimate Name is the legal business name. The Domestic Ultimate party can be a headquarters or a branch/division. A country can have more than one Domestic Ultimate organization. There will be a separate Domestic Ultimate party for each limb of a tree.

**Do Not Confuse With**

Indicates that a similarly named business should not be confused with the business undergoing review.

**DUNS Number**

DUNS, which stands for Data Universal Numbering System, is a 9-digit nonindicative identification number assigned by D&B to each separate commercial entity in the D&B database. Each record is given a different number. For businesses with multiple locations, each location is assigned its own unique DUNS Number. This field is always populated and contains the DUNS number of the business that all other data elements in the record describe.

**Employees Statistics Group**

The Employees Statistics group provides the total number of persons employed by this business and the number of persons at this physical address (excluding employees of branches or divisions who are not at this physical address). The Estimated or Actual and the Minimum, Maximum, or Average indicators qualify the data provided for the number of employees.

**Enquiry DUNS**

Identifier of case enquired upon, will be the same as DUNS unless a trade up from a branch to a headquarters location has taken place.

**Export Indicator**

Indicates that the D&B database contains information whether the business exports or not.

**Failure Score (calculated), Failure Score Aggregate, Failure Score Industry Incidence of Default**

D&B's Failure Scores predict the probability of severe financial distress or failure. The Failure Score Commentary field is available only from the US and contains explanation codes for that particular score.

In the US, the calculated failure score (values 1,001 to 1,850) provides a direct relationship between the score and the level of risk. A 1,001 represents businesses that have the highest probability of financial stress, an 1,850 the lowest probability of financial stress. The marginal odds of being good doubles for each 40 point

increase. For example, a score of 1,200, on a marginal basis, represents twice the risk of financial stress as a score of 1,240. This score enables you to use more granular cutoffs to drive your automated decision-making process. Failure scores are not calculated in the US for those businesses designated as Discontinued at This Location, Open Bankruptcy, Higher Risk, or Self Inquired D-U-N-S®. These records are automatically assigned a score of 0.

For Japan, the Failure Score (values 0 to 10) predicts the probability of closure (failure) in the next twelve months.

In Canada, where there is a Stability Score predicting the probability of business closure, instead of failure, the value in the Failure Score field is the Stability Score (values 1 to 10).

### **Failure Score Class**

The Failure Score Class segments the data into five distinct risk groups where 1 represents businesses that have the lowest probability of financial stress, and 5 represents businesses with the highest probability of financial stress. This class enables you to quickly segment new and existing accounts into various risk segments to determine appropriate marketing or credit policies. The Incidence of default relates the percentage probability of failure outcome for a score range/class.

### **Failure Score Commentary**

The Failure Score Commentary field is available only from the US and contains explanation codes for that particular score.

### **Failure Score National Percentile**

The percentile score of 1 to 100 indicates where a company falls among businesses in the local D&B information base, and is most effectively used to rank order portfolios from highest to lowest risk of business failure. A percentile score of 1 represents businesses that have the highest probability of financial stress, and a 100 which represents businesses with the lowest probability of financial stress. Percentile Scores are available from Western Europe, the US and Australia.

### **Failure Score Override Code**

In Europe, the Failure Score Override Code indicates the reason for variance between the D&B Rating and Failure Score. European values are: 1 indicates severe negative information, 2 indicates minimal data, 3 indicates new business, 4 indicates out of business, 5 indicates miscellaneous information. In the US, the code indicates the reason no score was calculated or that the score is equal to 0. The US values are 6 indicates special events, 7 indicates business discontinued at this location, 8 indicates open bankruptcy. Override codes 9 to 19 will be used to

indicate special case instances for Australia where the failure score is a special value (0, 900 to 995) or cannot be calculated.

**Fax Number**

The main facsimile number for the subject business.

**Financial Embarrassment Indicator**

Indicates whether a record exists of an open bankruptcy, receivership liquidation, discontinuance with unpaid obligations or an equivalent event related to the company in the D&B database. Other specific event categories relate to administrator appointments and orders, Meeting of Creditors, Wind Up Petitions and Statements of Insolvency.

**Financial/Legal Special Events Indicator**

Indicates whether special events exist in D&B's database that denote financial embarrassment or legal filings related to the business. These include Public Sales, Change of 50% of Assets, Public Filings, Letter of Liability, and Principals Antecedents – Bankruptcy.

**Global Failure Score Aggregate, Global Failure Score (calculated), Global Failure Score Age, Global Failure Score Date**

D&B's Global Failure Score predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganizing, or obtaining relief from creditors under state or federal law over the next 12 months. D&B's Global Failure Score is only available as a raw score with a four-digit scale starting from 1001-1850.

The Global Failure Score is a single, uniform measure predicting risk of failure in any included country. Included countries are defined as those countries that have a statistical model that predicts business failure for companies within that country. In the score's first version, these countries are Australia, Belgium, France, Germany, Italy, Netherlands, Portugal, Spain, United Kingdom, and United States.

While the Global Failure Score is defined as a single, uniform measure predicting risk of failure in any country, the definition of failure can vary from country to country. Therefore the Global Failure Score may be different for Country A and Country B at the same approval rate.

In most cases Global Failure Score will be used in combination with Local Country Failure Scores. The Global Failure Score provides a globally standardized measure of failure risk, whereas the Local Country Failure Scores provides information on how a specific company is performing relative to its peers in the same country. Both of these scores are critical for decision making and portfolio management for global

customer account and vendor portfolios. Global Failure Score Age and Date are reserved for future use and are not currently populated.

### **Global Ultimate Element Group**

This group of elements gives you the Global Ultimate Name, its DUNS number, and the Country Code in which it is located. The Global Ultimate is the highest member of the corporate family worldwide. Fields will be blank if the business has a single location in the D&B database. The Global Ultimate Name is the legal business name. The Country code is the two-character ISO code for the country in which the Global Ultimate is located.

### **Headquarters or Branch**

Indicates if the subject location is a branch or division. Branches and/or divisions are typically other locations, apart from the headquarters or principal trading office, from which the organization conducts its business. However, a division can operate from the same location as the headquarters. The distinction is that a division will utilize a separate tradestyle name and have separate and distinct operations from that of the headquarters. Branches are not separate legal entities. Indicates whether the subject business is a branch, headquarters, or single location.

### **Headquarters Element Group**

This group of data elements gives you the Headquarters Name, its DUNS number and the Country Code in which it is located. If the case inquired upon is a branch or division, the Headquarters DUNS, Name, and Country Code (two-character ISO code) will appear in these fields. Fields will be blank if the record is a single location (not linked) in the D&B database.

### **High Range Score for Incidence of Delinquent Payment**

This is the value of the high end of the range of the Commercial Credit Score for which an incidence of delinquency percentage could be linked. If range is between 240 to 280, the high range score is 280.

### **Highest Credit**

Highest credit extended in the last 12 months.

### **History Indicator**

Code indicating whether:

- Detrimental information exists about the company in the D&B database. For example, a current or past bankruptcy.
- Detrimental information exists about the management of the business in the D&B database. For example, a bankrupt affiliate.

- Complete details exist about the management and company, but no detrimental information exists in the D&B database
- Incomplete details exist on management or company, but no detrimental information exists in the D&B database.

The History Indicator is not available from all of D&B's databases, including Europe, Australia, and New Zealand.

**Import Indicator**

Indicates whether the D&B database contains information that the business imports or not.

**Incidence of Delinquent Payment Percentage for All Firms**

This value is the delinquency percentage for all firms in D&B's US database.

**Incidence of Delinquent Payment Percentage for Range**

This value is the delinquency percentage for a specific Commercial Credit Score range.

**Incorporation Year**

The year the business incorporated. The Incorporation Year may or may not be the same as the year the business started.

**International Dialing Code**

The international telecommunications dialing code for the country in which the business is located.

**Legal Status**

A code indicating the legal structure of the business as registered with governmental authorities. Examples include LSC/102 (private limited company) or LSC/10 (general partnership).

**Line of business**

Narrative description of the operations or activities of the business generated from the primary SIC code under which it is classified.

**Local Activity Code Element Group**

Local Activity Classification Code. This field contains only NACE codes where they are available. NACE codes are a statistical classification of economic activities of the European Community. The Local Activity Code Type indicates whether the NACE code in the Local Activity Code field is a four- or five-digit NACE.

**Local Business ID Element Group**

The Local business ID Number field contains the primary business identification number assigned to the business by a government agency, Chamber of Commerce or association. The ID Type field contains the code representing the type of business identification number.

**Location Ownership**

Indicates whether premises at physical address are owned or rented.

**Low Range Score for Incidence of Delinquent Payment**

This value is the low end of the range of the Commercial Credit Score for which an incidence of delinquency percentage could be linked. If range is between 240 to 280, the low range score is 240.

**Name**

The primary name of the business.

**Negative Payment Explanation**

Conditional comment generated when negative payment comments are used.

**No Trade Indicator**

Indicates if there are no trade experiences, or completed payment transactions, in the D&B files for this business.

**Number of Trade Experiences**

Number of completed transactions, usually payment experiences.

**Operational Special Events Indicator**

Indicates whether special events exist in the D&B database that concern changes to the business' operations. These include categories such as name changes, management changes, changes of legal form, control, or capital; business wind up or closure; or moves.

**Other Special Events Indicator**

Indicates that special events not otherwise specified exist in the D&B database for the business.

**Out of Business Indicator**

Indicates that the company has discontinued operations.

**Parent Element Group**

This group of data elements gives you the Parent Name, its DUNS number and the Country Code in which it is located. The Parent company has a majority interest in the subject company. The subject company is then referred to as a 'Subsidiary.'

**Paydex**

The D&B payment score (Paydex) is a score that assesses the payment performance of a business. Based on the trade experiences in D&B's database, the score corresponds to an average days beyond terms or within terms enabling you to predict when your existing or potential customer accounts are likely to pay. Derived from a dollar-weighted average of a company's combined individual payment experiences, it ranges from 0 to 100 with higher scores representing businesses which pay their bills more promptly. The Paydex Interpretation Tables contain interpretation tables for D&B's payment score for specific countries.

**Paydex 3 Months Prior**

Paydex Score from 3 months ago.

**Paydex Norm**

The industry median or average Paydex score for the subject's line of business.

**Parent / Headquarters Bankruptcy Element Group**

Indicates if the business has a relationship to a Parent or Headquarters that entered into bankruptcy.

- **Parent Name in Bankruptcy:** Name of the parent company in bankruptcy proceedings.
- **Parent D-U-N-S Number in Bankruptcy:** D-U-N-S number of the parent in bankruptcy
- **Parent Bankruptcy Filing Counter:** Number of bankruptcy filings by a parent. Includes the Parent Bankruptcy Filing Type, Parent Bankruptcy Chapter Number, and Parent Bankruptcy Filing Date.
- **Parent Bankruptcy Filing Type:** The type of bankruptcy filed by the parent.
- **Parent Bankruptcy Chapter Number:** The chapter of bankruptcy filed by the parent.
- **Parent Bankruptcy Filing Date:** The date bankruptcy was filed by the parent (format YYYYMMDD).

- **Parent Bankruptcy Conversion Counter:** Number of the bankruptcy conversion by the parent. Includes Parent Bankruptcy Conversion Date and Parent Bankruptcy Chapter Conversion.
- **Parent Bankruptcy Conversion Date:** The date the bankruptcy was converted by the parent from one chapter type to another (format YYYYMMDD).
- **Parent Bankruptcy Chapter Conversion:** Change of bankruptcy type

**Postal Code**

Part of the physical address, the code identifying the geographic subsection of the city in which the business is located. Known as the ZIP code in the United States, post or postal code elsewhere.

**Postal Town**

The name of the town (according to the postal service) in which the business is located.

**Primary SIC Code**

Standard Industrial Classification code. The four-digit SIC code is an index which describes the function (manufacturer, wholesaler, retailer or service) and the line of business in which the company is engaged.

**Principal Title and Name**

Names and job titles of principal executives of case subject.

**Registration Type**

Type of registration. Field values are RTC/1 (cooperative), RTC/2 (federally chartered), RTC/3 (professional), RTC/4 (profit), RTC/5 (state chartered), RTC/6 (nonprofit).

**Secured Filings Indicator**

Indicates whether open secured filings such as US UCC filings, secured charges/mortgages pledgings, or equivalent exist for the business in D&B's database.

**SIC Type**

Version of SIC. Values are 1972 (used in Europe and Australia), 1977 (used in Canada), and 1987 (used in the US).

**Slow Trade Explanation**

Conditional comment generated when Paydex score is used or slow trade experiences are present.

**Street**

Address line of physical location. Will also contain, if available, building name and neighborhood in separate lines.

**Suits/Judgments Indicator**

Indicates whether open suits, judgment, petitions or payment remarks exist in the D&B database for the company.

**Tangible Net Worth Element Group**

The Tangible Net Worth field contains equity of the business after all liabilities have been deducted from assets and any intangible assets have been disregarded. The Tangible Net Worth Indicator qualifies the amount, indicating whether it is actual or estimated. In some databases, the indicators and value may be in the alphanumeric Tangible Net Worth Text field. In Australia, there may be a code *G* after the value meaning that the figure is taken from a consolidated or group financial statement that will include the financial results of the subject's affiliates or sister subsidiaries as well.

**Telephone Number**

The main telephone number of the business. Different countries may have telephone numbers of varied lengths which may or may not include the country or city access codes. Each country does have an access code (contained in the International Dialing Code field) which must be used when dialing cross-border into that country.

**Total Employees Element Group**

The figure contained in the Total Employees field indicates the number of persons employed by the subject. The Total Employees Composition Table indicates if the value from a particular country will include subsidiaries, branches, or divisions. Some databases also include the indicator fields that tell you if subsidiaries are included or whether the Total Employees value is:

- Estimated or actual
- Minimum, maximum, or average

In some databases, the indicators and value may be contained in a combined alphanumeric field. This type of data will be delivered in the Total Employees Text field. For example, in Australia, if a *G* appears after the number, it indicates that the figure is a group figure.

**Total Payments**

The total number of payment experiences contained in D&B's database for the subject company.

**Trade Style, Alternate Name**

Trade Styles are additional business names used by the company – also referred to as a DBA (doing business as) or AKA (also known as) names. In some jurisdictions, these names are shown to be registered to, and therefore owned by, a company. They are used to secure the name, advertise a particular product or to distinguish between different parts of the company's operations or divisions. These names are registered in the same way as a business or firm, with the responsible authority.

**Year Started**

The year that the organization actually commenced present operations. If the business was formed to acquire or continue the operations of a preexisting business, then the start date may reflect this original start date.

## Financial Data Elements

### **Accounts Payable**

Amount of merchandise purchased on credit and not paid for by the balance sheet date. Also known as Trade Creditors. In Italy, Accounts Payable include Cambiali Creditors where applicable.

### **Accounts Receivable**

Amount of sales made and billed to customers on credit terms, but not yet paid. This is money owed by customers and not yet received. Also called Trade Debtors. The value may or may not be net of bad debts. In Italy, Accounts Receivable include Cambiali Debtors where applicable.

### **Audit Indicator**

Indicates whether D&B has been able to determine whether the financial statement was prepared by audit. Not populated by all country databases. The Financial Statement Quality Table provides a description of the types/quality of financial statements loaded into various D&B country databases.

### **Cash and Liquid Assets**

Amount of cash on hand and in banks and other liquid assets where available.

### **Consolidated indicator**

Indicates whether statement is consolidated or not.

### **Cost of Sales**

Cost of Sales (or Cost of Goods Sold where applicable) from the Profit & Loss or Income Statement.

### **Current Ratio**

Current Assets divided by Current Liabilities. For Italy, the Current Ratio is calculated by  $Total\ Current\ Assets - Stock\ Depreciation - Bad\ Debts / Total\ Current\ Liabilities$ . For Belgium, the Current Ratio =  $Total\ Current\ Assets / (Total\ Current\ Liabilities + Regularization\ Account)$ .

### **Dividends**

Dividends paid to shareholders.

### **Estimated Indicator**

Indicates whether the financial statement figures are estimated or actual. Not populated by all country databases.

**Fiscal Indicator**

Indicates whether the financial statement period is 12 months or not. Not populated by all country databases.

**Final Indicator**

Indicates if financial statement figures are the final closing statement for a business which has ceased trading. Not populated by all country databases.

**Fixed Assets**

Amount of tangible property owned by a business that has a life longer than one year such as buildings, equipment and land. Should be the net cost (original cost minus depreciation and revaluation).

**Forecast Indicator**

Indicates financial statement figures are future projections. Only present in Taiwan.

**Gross Income**

Amount left over after deducting the Cost of Goods sold from Net Sales. May be negative.

**Income Statement Date**

Date of Income or Profit & Loss Statement. Applies where no start or end dates are supplied.

**Intangible Assets**

Total of intangible assets (goodwill, patents, research and development, nonissued capital, organizational expenses). May or may not be net of depreciation or amortization.

**Inventory**

Includes merchandise on hand that is ready to be sold. May also include work in progress plus raw materials minus depreciation.

**Long Term Debt**

Long Term (Financial) Debt owed by the business. Includes categories such as minority interest, convertible debentures (over one year), debentures, mortgages, loans, hire purchases due after one year, and pension debt due to group companies or participants. Excludes categories such as provisions and allowances.

**Net Income**

Amount left over after all expenses and taxes are deducted. Also called Net Profit or Loss after Taxes.

**Net Worth**

Total amount of Equity (Net Worth). Includes capital stock, retained earnings treasury stock, and so on – is not the Tangible Net Worth. May be negative.

**Opening Indicator**

Indicates figures that are the opening statement for the business. Not populated by all country databases.

**P & L from Date**

Starting Date of Profit and Loss Statement.

**P & L to Date**

Ending Date of Profit and Loss Statement.

**Previous Net Worth**

Previous Net Worth minus intangibles. May be negative to reflect a deficit net tangible worth position.

**Previous Sales**

Net sales for previous period.

**Previous Statement Date**

Date of previous financial statement. May be full date, month and year, or year only.

**Previous Working Capital**

Working Capital (*Current Assets minus Current Liabilities*) for previous period. For Italy, Working Capital is calculated as follows: *Total Current Assets – Stock Depreciation – Bad Debts – Total Current Liabilities*. For Belgium, Working Capital is calculated as follows: *Total Current Assets – (Total Current Liabilities + Regularization Account)*.

**Profit Before Tax**

Profit before tax, will appear as a negative if value is a pre-tax loss.

**Pro forma Indicator**

Indicates the financial statement figures are pro forma. Typically used to represent the state of a company as a result of a pending structural change based on actual or known performance.

**Qualified Indicator**

Indicates auditors have made qualifying remarks about the fairness and accuracy of the figures.

**Quick Ratio**

Cash plus Accounts Receivable divided by Current Liabilities. For Italy, the Quick Ratio is calculated by:  $(Total\ Current\ Assets - Stock\ Depreciation - Bad\ Debts - Stocks\ \&\ Work\ in\ Process) / Total\ Current\ Liabilities$ . For Belgium, the Quick Ratio is calculated by:  $Total\ Current\ Assets - (Receivables\ over\ 1\ year + Total\ Net\ Stocks\ \&\ Work\ in\ Process) / (Total\ Current\ Liabilities + Regularization\ Account)$ . For France, Iberia and Germany, the Quick Ratio is calculated by:  $(Total\ Current\ Assets - Stocks) / Current\ Liabilities$ . The Quick Ratio is not available for the United Kingdom or Ireland.

**Re-Stated Indicator**

Indicates figures resubmitted after corrections to original statement for period.

**Retained Earnings**

Retained earnings.

**Sales**

Net sales for the period after returns, allowances, and discounts are deducted. In Europe, this is the Sales for the period less taxes.

**Signed Indicator**

Indicates if figures are signed by principals.

**Statement Currency**

Currency code of financial statement. Some databases are populated only if the Statement Currency Code is different than the default.

**Statement Date**

Date of current financial statement. May be full date, month and year, or year only.

**Subsidiary**

Indicates whether the subject business is a subsidiary. A value of Yes indicates that it is a Subsidiary. A value of No indicates that it is not a subsidiary.

**Total Assets**

Total amount of current and long-term assets.

**Total Current Assets**

Total amount of all current (less than one year) assets.

**Total Current Liabilities**

Total amount of all current (less than one year) liabilities.

**Total Liabilities**

Total liabilities owed by business.

**Total Liabilities & Equity**

Total amount of Liabilities & Equity.

**Total Long Term Liabilities**

Total long term (greater than one year) liabilities owed by business.

**Trial Balance Indicator**

Indicates that financial statement figures are trial balance.

**Unbalanced Indicator**

Indicates submitted balance sheet figures do not balance.



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# Seeded Relationship Types, Phrases, and Roles

This chapter lists the seeded relationship types and their relationship phrase and role pairs.

## Relationship Types

This table lists the seeded relationship types and their definitions for hierarchical and circular allowed.

Relationship Type Code	Relationship Type Name	Hierarchical	Circular Allowed
AFFILIATE	Affiliation	No	Yes
AGREEMENT_SIGNER	Agreement Signing	No	Yes
APPLICANT_REFEREE	Application Referee	No	Yes
APPROVING_MANAGER	Management Approval	No	Yes
ASSOCIATE	Association	No	Yes
BANKING_GROUP	Banking Group	No	Yes
BANK_ACCOUNT_CONTACT	Banking Contact	No	No
BANK_AND_BRANCH	Bank and Branch	No	Yes
BENEFICIARY	Beneficiary	No	Yes
BOARD_MEMBER	Board Membership	No	Yes
BROKER	Broker	No	Yes
CAREGIVER	Caregiver	No	No
CLEARINGHOUSE_BANK	Bank Clearinghouse	No	Yes
COMPETITOR	Competitive	No	Yes
CONTACT	Contact	No	Yes
CTB_ENTERPRISE_HIER	Healthcare Enterprise Hierarchy	Yes	Yes
CUSTOMER/SELLER	Buying and Selling	No	Yes
CUSTOMER_PREFERRED_SUPPLIER	Preferential Buying and Selling	No	Yes
DEFAULT_ADMIN	Default Administrator	No	Yes
DEPENDENT	Dependency	No	Yes
DNB_HIERARCHY	D&B Hierarchy	Yes	No
DOMESTIC_PARTNER	Domestic Partner	No	Yes
DOMESTIC_ULTIMATE	Domestic Ultimate	No	Yes
DOWNLOAD_CONTENT	Download Content	No	Yes

<b>Relationship Type Code</b>	<b>Relationship Type Name</b>	<b>Hierarchical</b>	<b>Circular Allowed</b>
EMERGENCY_CONTACT	Emergency Contact	No	No
EMPLOYMENT	Employment	No	Yes
GLOBAL_ULTIMATE	Global Ultimate	No	Yes
GUARANTOR	Guarantor	No	Yes
HEADQUARTERS/DIVISION	Corporate	No	Yes
INST_ACCREDITATION	Institutional Accreditation	No	No
INVENTORY_ORG	Inventory Organization	No	Yes
KEY_COMPANY	Key Company	No	Yes
LEGAL_CONTACT	Legal Contact	No	Yes
LE_AND_BANK	Legal Entity and Bank	No	Yes
MANAGER	Management	No	Yes
MASTER_REF	MASTER_REF	Yes	No
MEMBERSHIP	Membership	No	Yes
MODELED_BY	Modeling	No	Yes
NEXT_OF_KIN	Next of Kin	No	Yes
OU_AND_BANK	Operating Unit and Bank	No	Yes
PARENT/CHILD	Parent and Child	No	Yes
PARENT/SUBSIDIARY	Parent and Subsidiary	No	Yes
PARTNER	Partnership	No	Yes
PARTNER_HIERARCHY	Partner Hierarchy	Yes	No
PARTNER_MANAGED_CUSTOMER	Distributor	No	Yes
PAYTO	Paying	No	Yes
POM_DEFAULT_APPROVER	POM Default Approver	No	Yes
POM_PARTY_REFERENCE	POM Party Reference	No	Yes
POS_ADDRESS_SITES	iSupplier Portal Address Sites	No	No
POS_EMPLOYMENT	POS Employment	No	No
POS_SUPPLIER_CONTACT	iSupplier Portal Supplier Contact	No	No

## Relationship Types

<b>Relationship Type Code</b>	<b>Relationship Type Name</b>	<b>Hierarchical</b>	<b>Circular Allowed</b>
POS_VENDOR_CONTACT	iSupplier Portal Vendor Contact	No	No
POS_VENDOR_PARTY	POS Supplier	No	No
REFERENCE	Reference	No	Yes
REGISTERED_COMPANY	Registered Company	No	Yes
REG_APPROVER	Registered Approver	No	Yes
RELATIVE	Family Relation	No	Yes
REPAIR_DEPOT_PROVIDER	Depot Repair	No	Yes
SHIPTO	Shipping	No	Yes
SIBLING	Sibling	No	Yes
SPOUSE	Spousal	No	Yes
STOCK_HODER		No	Yes
STOCK HOLDER	Stock Holder	No	Yes
STUDENT/INSTRUCTOR	Teaching	No	Yes
STUDENTINSTITUTION	Student/Institution	No	No
STUDENT_ADVISING	Student Advising (Person)	No	No
STUDENT_ADVISING_AT	Student Advising (Organization)	No	No
STUDENT_COUNSELING	Student Counseling (Person)	No	No
STUDENT_COUNSELING_AT	Student Counseling (Organization)	No	No
THIRD_PARTY_AUTHOR	Third Party Authorship	No	Yes
UNREGISTERED_COMPANY	Unregistered Company	No	Yes
VAD	VAD	No	Yes
VAR	VAR	No	Yes

## Relationship Phrase and Role Pairs

This table lists the seeded relationship phrases and roles, as well as the subject and object types.

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Affiliation	Organization (Parent)	Affiliate Of	Affiliates	Organization (Child)	Affiliate	Organization Affiliates
Agreement Signing	Organization (Parent)	Agreement Signer Of	Agreement Signers	Organization (Child)	Agreement Signer	Organizations with Agreement Signers
Application Referee	Person (Parent)	Referee	Referees	Person (Child)	Has Referee	People with Referee
Management Approval	Person (Parent)	Order Approving Manager Of	Exchange Approvers	Person (Child)	Approved By	Approved Exchange Users
Association	Person (Not Hierarchical)	Associate Of	Associates	Person (Not Hierarchical)	Associate Of	Associates
Banking Group	Group (Parent)	Includes Member	Banking Groups	Organization (Child)	Member Of	Banking Group Members
Banking Contact	Person (Parent)	Contact For	Bank Account Contacts	CE_BANK_ACCOUNT (Child)	Has Contact	Bank Accounts Contacts
Bank and Branch	Organization (Parent)	Has Branch	Banks Branches	Organization (Child)	Branch Of	Banks
Beneficiary	Person (Parent)	Beneficiary Of	Beneficiaries	Person (Child)	Benefactor Of	People Benefactors
Beneficiary	Organization (Parent)	Beneficiary Of	Organization Beneficiaries	Person (Child)	Benefactor Of	Benefactors
Board Membership	Person (Parent)	Board Member Of	Board Members	Organization (Child)	Contains Board Member	Boards
Broker	Organization (Parent)	Broker of	Brokers	Organization (Child)	Broker	Brokerages
Caregiver	Person (Parent)	Caregiver for	Caregivers	Person (Child)	Cared For By	Cared for Patients

## Relationship Phrase and Role Pairs

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Bank Clearing-house	Organization (Parent)	Clearing-house For	Clearing-houses Branches	Organization (Child)	Uses Clearinghouse	Bank Branches
Competitive	Organization (Not Hierarchical)	Competitor Of	Competitors	Organization (Not Hierarchical)	Competitor Of	Competitors
Contact	Person (Parent)	Contact For	People Contacts	Person (Child)	Has Contact	People with Contacts
Contact	Person (Parent)	Contact For	Organization Contacts	Organization (Child)	Has Contact	Organizations with Contacts
Healthcare Enterprise Hierarchy	Organization (Parent)	Parent Of	Healthcare Parent Organizations	Organization (Child)	Child of	Healthcare Child Organizations
Buying and Selling	Person (Parent)	Customer Of	People Customers	Organization (Child)	Seller To	Suppliers To People
Buying and Selling	Organization (Parent)	Customer Of	Organization Customers	Organization (Child)	Seller To	Suppliers for Organizations
Preferential Buying and Selling	Organization (Parent)	Preferred Supplier By	Preferred Suppliers	Organization (Child)	Preferred Supplier To	Customers with Preferred Suppliers
Default Administrator	Person (Parent)	Default Admin For	POM Default Administrators	Organization (Child)	Default Admin By	Organizations with POM Default Administrators
Dependency	Person (Parent)	Dependent Of	Guardians	Person (Child)	Guardian Of	Dependents
D&B Hierarchy	Organization (Parent)	Headquarters Of	D&B Headquarters	Organization (Child)	Division Of	D&B Divisions
D&B Hierarchy	Organization (Parent)	Domestic Ultimate Of	D&B Domestic Ultimates	Organization (Child)	Domestic Subsidiary Of	D&B Domestic Subsidiaries
D&B Hierarchy	Organization (Parent)	Parent Of	D&B Parents	Organization (Child)	Subsidiary Of	D&B Subsidiaries
D&B Hierarchy	Organization (Parent)	Global Ultimate Of	D&B Global Ultimates	Organization (Child)	Global Subsidiary Of	D&B Global Subsidiaries

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Domestic Partner	Person (Not Hierarchical)	Domestic Partner Of	Domestic Partners	Person (Not Hierarchical)	Domestic Partner Of	Domestic Partners
Domestic Ultimate	Organization (Parent)	Domestic Ultimate Of	Domestic Ultimates	Organization (Child)	Domestic Subsidiary Of	Domestic Subsidiaries
Download Content	Organization (Parent)	Download Content To	Download Privilege Granters	Organization (Child)	Download Content From	Organizations with Privilege to Download
Emergency Contact	Person (Parent)	Emergency Contact for	Emergency Contacts	Person (Child)	Emergency Contact of	Has Emergency Contacts
Employment	Person (Parent)	Employee Of	Employees	Organization (Child)	Employer Of	Employers
Global Ultimate	Organization (Parent)	Global Ultimate Of	Global Ultimates	Organization (Child)	Global Subsidiary Of	Global Subsidiaries
Guarantor	Organization (Parent)	Guarantor For	Organization Guarantors of Organizations	Organization (Child)	Guarantor	Organizations with Organizations Guarantors
Guarantor	Organization (Parent)	Guarantor For	Institutional Guarantors	Person (Child)	Guarantor	People with Organization Guarantors
Guarantor	Person (Parent)	Guarantor For	Guarantors	Person (Child)	Guarantor	People with Guarantor
Corporate	Organization (Parent)	Headquarters Of	Headquarters	Organization (Child)	Division Of	Divisions
Institutional Accreditation	Organization (Parent)	Accredited By	Accredited Organizations	Organization (Child)	Accredits	Accrediting Organizations
Inventory Organization	Organization (Parent)	Inventory Organization Of	Inventory Organizations	Organization (Child)	Inventory Organization	Organizations with Inventory Organizations
Key Company	Organization (Parent)	Key Company Of	Key Companies	Organization (Child)	Key Company	Organizations with Key Companies
Legal Contact	Person (Parent)	Legal Contact For	POM Legal Contacts	Organization (Child)	Legal Contact	POM Organizations with Legal Contacts

## Relationship Phrase and Role Pairs

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Legal Entity and Bank	Organization (Parent)	Uses Bank	Legal Entities That Use Banks	Organization (Child)	Bank Used By	Banks Used by Legal Entities
Management	Person (Parent)	Reports To	Management Reports	Person (Child)	Manager Of	Managers
MASTER_REF	Country (Parent)	Parent Of		State (Child)	Child of	
Membership	Group (Parent)	Member Of	Subgroups	Group (Child)	Includes Member	Groups with Subgroups
Membership	Organization (Parent)	Member Of	Organization Members	Group (Child)	Includes Member	Organization Groups
Membership	Person (Parent)	Member Of	Members	Group (Child)	Includes Member	Groups
Modeling	Organization (Parent)	Modeled By	Modeling Companies	Organization (Child)	Modeled Company	Modeled Companies
Next of Kin	Person (Parent)	Next of Kin for	Next of Kin	Person (Child)	Next of Kin of	Kin
Operating Unit and Bank	Organization (Parent)	Uses Bank	Operating Units That Use Bank	Organization (Child)	Bank Used By	Banks Used by Operating Units
Parent and Child	Person (Parent)	Parent Of	Parents	Person (Child)	Child of	Children
Parent and Subsidiary	Organization (Parent)	Parent Of	Parents of Subsidiaries	Organization (Child)	Subsidiary Of	Subsidiaries
Partnership	Organization (Not Hierarchical)	Partner Of	Partners	Organization (Not Hierarchical)	Partner Of	Partners
Partner Hierarchy	Organization (Parent)	Parent Of	Parents of Subsidiary - Partner	Organization (Child)	Subsidiary Of	Subsidiaries of - Partner
Distributor	Organization (Parent)	Customer Managed By	Customers Managed by Distributor	Organization (Child)	Manages	Distributors
Paying	Organization (Parent)	Pay To Of	Payees	Organization (Child)	Pay From Of	Payers

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
POM Default Approver	Person (Parent)	Default Approver For	Default Approvers for an Exchange Organization	Organization (Child)	Default Approver	Exchange Organizations with a Default Approver
POM Party Reference	Organization (Parent)	Party Referred By	Referred Exchange Entities	Organization (Child)	Referred Party	Exchange Entity Referers
iSupplier Portal Address Sites	VENDOR_PARTY_SITE (Parent)	Address Of	Addresses	VENDOR_SITE (Child)	At Site	Supplier Sites
POS Employment	Organization (Parent)	Employer Of	Users of Procurement Application	Person (Child)	Employee Of	Organizations for Grouping Procurement Users
iSupplier Portal Supplier Contact	POS_CONTACT_PARTY (Parent)	Contact of Supplier	Supplier Contacts	VENDOR_PARTY (Child)	Supplier has Contact	Supplier with Contacts
iSupplier Portal Vendor Contact	VENDOR_PARTY_CONTACT (Parent)	Is Supplier Contact	Person Contacts	VENDOR_CONTACT (Child)	Is Contact	Supplier Person Contact
POS Supplier	Organization (Parent)	Party Of Vendor	Organizations for Grouping Supplier Employees	POS_VENDOR (Child)	Vendor Of Party	Suppliers with Organization for Grouping Users
Reference	Organization (Not Hierarchical)	Reference For	Organizations Providing References	Organization (Not Hierarchical)	Reference For	Organizations Providing References
Registered Company	Organization (Parent)	Registered Company Of	Registered Companies	Organization (Child)	Registered Company	Organizations with Registered Companies
Registered Approver	Person (Parent)	Registration Approver of	POM Registered Approvers	Person (Child)	Registration Approved By	Registered POM Approved People
Family Relation	Person (Not Hierarchical)	Relative Of	Relatives	Person (Not Hierarchical)	Relative Of	Relatives

## Relationship Phrase and Role Pairs

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Depot Repair	Organization (Parent)	Repair Depot Provider For	Repair Depot Providers	Organization (Child)	Repair Depot Provider	Organizations with Repair Depot Providers
Shipping	Organization (Parent)	Ship To Of	Shipping Sources	Organization (Child)	Ship From Of	Shipping Destinations
Sibling	Person (Not Hierarchical)	Sibling Of	Siblings	Person (Not Hierarchical)	Sibling Of	Siblings
Spousal	Person (Not Hierarchical)	Spouse Of	Spouses	Person (Not Hierarchical)	Spouse Of	Spouses
	Person (Parent)	Stock Holder Of	People Stockholders	Organization (Child)	Stock Held By	Organizations with Person Stockholders
Stock Holder	Organization (Parent)	Stock Holder Of	Stockholders	Organization (Child)	Stock Held By	Organizations with Stockholders
Teaching	Person (Parent)	Student Of	Students	Person (Child)	Instructor Of	Instructors
Student/Institution	Person (Parent)	Attends Institution	Students Attending Institution	Organization (Child)	Has Student	Institutions Attended
Student Advising (Person)	Person (Parent)	Advisor Of	Student Advisees	Person (Child)	Advisee Of	Student Advisors
Student Advising (Organization)	Person (Parent)	Advisor At	Student Advisors at Organization	Organization (Child)	Has Advisor	Organizations with Student Advisors
Student Counseling (Person)	Person (Parent)	Counselor Of	Student Counsees	Person (Child)	Counselee Of	Student Counselors
Student Counseling (Organization)	Person (Parent)	Counselor At	Student Counselors at Organization	Organization (Child)	Has Counselor	Organizations with Student Counselors
Third Party Authorship	Organization (Parent)	Third Party Author For	Exchanges that own content managed by another Organization	Organization (Child)	Third Party Author	Exchanges that manage content owned by another Organization

<b>Relationship Type</b>	<b>Subject Type</b>	<b>Forward Role</b>	<b>Forward Phrase</b>	<b>Object Type</b>	<b>Backward Role</b>	<b>Backward Phrase</b>
Unregistered Company	Organization (Parent)	Unregistered Company Of	Unregistered Companies	Organization (Child)	Unregistered Company	Organizations with Unregistered Companies
VAD	Organization (Parent)	VAD Of	VADs	Organization (Child)	VAD Vendor Of	VAD Suppliers
VAR	Organization (Parent)	VAR Of	VARs	Organization (Child)	VAR Vendor Of	VAR Suppliers

## Relationship Phrase and Role Pair Codes

This table lists the seeded relationship phrase and role pairs by code.

<b>RELATIONSHIP_</b> <b>TYPE</b>	<b>FORWARD_REL_</b> <b>CODE</b>	<b>FORWARD_ROLE_</b> <b>CODE</b>	<b>BACKWARD_REL_</b> <b>CODE</b>	<b>BACKWARD_ROLE</b>
AFFILIATE	AFFILIATE_TO	ORGWITHAFFILIA TE	AFFILIATE	AFFILIATETOORG
AGREEMENT_ SIGNER	AGREEMENT_ SIGNER_OF	AGREEMENTSIGN ER	AGREEMENT_ SIGNER	ORGWITHAGREEM ENTSIGNER
APPLICANT_ REFEREE	REFEREE	REFEREE	HAS_REFEREE	PERWITHREFEREE
APPROVING_ MANAGER	POM_APPROVING_ MANAGER	POMAPPROVING MANAGER	POM_APPROVED_ BY	POMAPPROVEDPE R
ASSOCIATE	ASSOCIATE_OF	ASSOCIATE	ASSOCIATE_OF	ASSOCIATE
BANKING_ GROUP	CONTAINS_ MEMBER	BANKINGGROUP	MEMBER_OF	BANKINGGROUPM EM
BANK_ ACCOUNT_ CONTACT	CONTACT_OF	BANKACCOUNTC ONTACT	CONTACT	BANKACCOUNTWI THCONTACT
BANK_AND_ BRANCH	HAS_BRANCH	BANKWITHBRAN CH	BRANCH_OF	BANKBRANCH
BENEFICIARY	BENEFICIARY_OF	PERBENEFICIARY PER	BENEFACTOR_OF	PERBENEFACTORP ER
BENEFICIARY	BENEFICIARY_OF	ORGBENEFICIARY PER	BENEFACTOR_OF	PERBENEFACTORO RG
BOARD_MEMBER	BOARD_MEMBER_ OF	BOARDMEMBER	CONTAINS_ BOARD_MEMBER	BOARD
BROKER	BROKER_OF	BROKER	BROKER	BROKERAGE
CAREGIVER	CAREGIVER_FOR	CAREGIVER	CARED_FOR	CAREDFORPATIEN T
CLEARINGHOUSE _BANK	CLEARINGHOUSE_ FOR	CLEARINGHOUSE	USES_ CLEARINGHOUSE	BANKUSECLEARIN GHOUSE
COMPETITOR	COMPETITOR_OF	COMPETITOR	COMPETITOR_OF	COMPETITOR

<b>RELATIONSHIP_TYPE</b>	<b>FORWARD_REL_CODE</b>	<b>FORWARD_ROLE_CODE</b>	<b>BACKWARD_REL_CODE</b>	<b>BACKWARD_ROLE</b>
CONTACT	CONTACT_OF	CONTACTPER	CONTACT	PERWITHCONTACT
CONTACT	CONTACT_OF	CONTACTORG	CONTACT	ORGWITHCONTACT
CTB_ENTERPRISE_HIER	PARENT_OF	HEALTHCAREPAR ORG	CHILD_OF	HEALTHCARECHIL DORG
CUSTOMER/SELLER	CUSTOMER_OF	PERCUSTOMER	SELLER_TO	SUPPLIERFORPER
CUSTOMER/SELLER	CUSTOMER_OF	ORGCUSTOMER	SELLER_TO	SUPPLIERFORORG
CUSTOMER_PREFERED_SUPPLIER	PREFERRED_SUPPLIER_BY_CUSTOMER	PREFERREDSUP	CUSTOMERS_PREFERRED_SUPPLIER	CUSTOMERWITHPREFSUPPLIER
DEFAULT_ADMIN	POM_DEFAULT_ADMIN_FOR	POMDEFAULTADMIN	POM_DEFAULT_ADMIN_BY	ORGWITHPOMDEFAULTADMIN
DEPENDENT	DEPENDENT_OF	GUARDIAN	GUARDIAN_OF	DEPENDANT
DNB_HIERARCHY	HEADQUARTERS_OF	DNB_HEADQUARTER	DIVISION_OF	DNB_DIVISION
DNB_HIERARCHY	DOMESTIC_ULTIMATE_OF	DNB_DOMESTICULTIMATE	DOMESTIC_SUBSIDIARY_OF	DNB_DOMESTICSUBSIDIARY
DNB_HIERARCHY	PARENT_OF	DNB_PARENT	SUBSIDIARY_OF	DNB_SUBSIDIARY
DNB_HIERARCHY	GLOBAL_ULTIMATE_OF	DNB_GLOBALULTIMATE	GLOBAL_SUBSIDIARY_OF	DNB_GLOBALSUBSIDIARY
DOMESTIC_PARTNER	DOMESTIC_PARTNER_OF	DOMESTICPARTNER	DOMESTIC_PARTNER_OF	DOMESTICPARTNER
DOMESTIC_ULTIMATE	DOMESTIC_ULTIMATE_OF	DOMESTICULTIMATE	DOMESTIC_SUBSIDIARY_OF	DOMESTICSUBSIDIARY
DOWNLOAD_CONTENT	POM_DOWNLOAD_ITEM_PRIVILEGE_TO	ORGTHATDOWNLOAD	POM_DOWNLOAD_ITEM_FROM	ORGPROVIDEDOWNLOAD

Relationship Phrase and Role Pair Codes

<b>RELATIONSHIP_TYPE</b>	<b>FORWARD_REL_CODE</b>	<b>FORWARD_ROLE_CODE</b>	<b>BACKWARD_REL_CODE</b>	<b>BACKWARD_ROLE</b>
EMERGENCY_CONTACT	EMERGENCY_CONTACT_FOR	EMERGENCY_CONTACT	EMERGENCY_CONTACT_OF	HAS_EMERGENCY_CONTACTS
EMPLOYMENT	EMPLOYEE_OF	EMPLOYEE	EMPLOYER_OF	EMPLOYER
GLOBAL_ULTIMATE	GLOBAL_ULTIMATE_OF	GLOBALULTIMATE	GLOBAL_SUBSIDIARY_OF	GLOBALSUBSIDIARY
GUARANTOR	GUARANTOR_FOR	ORGGUARANTOR_ORG	GUARANTOR	ORGWITHORGGUARANTOR
GUARANTOR	GUARANTOR_FOR	ORGGUARANTOR	GUARANTOR	PERWITHORGGUARANTOR
GUARANTOR	GUARANTOR_FOR	GUARANTOR	GUARANTOR	PERWITHGUARANTOR
HEADQUARTERS/DIVISION	HEADQUARTERS_OF	HEADQUARTER	DIVISION_OF	DIVISION
INST_ACCREDITATION	ACCREDITED_BY	ACCREDITEDORG	ACCREDITS	ACCREDITINGORG
INVENTORY_ORG	INVENTORY_ORG_OF	INVENTORYORG	INVENTORY_ORG	ORGWITHINVENTORYORG
KEY_COMPANY	KEY_COMPANY_OF	KEYCOMPANY	KEY_COMPANY	ORGWITHKEYCOMPANY
LEGAL_CONTACT	POM_LEGAL_CONTACT_FOR	POMLEGALCONTACT	POM_LEGAL_CONTACT	POMORGWITHLEGALCONTACT
LE_AND_BANK	USES_BANK	LEUSEBANK	BANK_USED_BY	BANKUSEBYLE
MANAGER	REPORTS_TO	MANAGEMENTREPORT	MANAGER_OF	MANAGER
MASTER_REF	PARENT_OF		CHILD_OF	
MEMBERSHIP	MEMBER_OF	SUBGROUP	CONTAINS_MEMBER	GROUPWITHSUBGROUP
MEMBERSHIP	MEMBER_OF	MEMBEROFORGGROUP	CONTAINS_MEMBER	ORGGROUP
MEMBERSHIP	MEMBER_OF	MEMBER	CONTAINS_MEMBER	GROUP
MODELED_BY	MODELED_BY	MODELINGCOMPANY	MODELED_COMPANY	MODELEDCOMPANY

<b>RELATIONSHIP_</b> <b>TYPE</b>	<b>FORWARD_REL_</b> <b>CODE</b>	<b>FORWARD_ROLE_</b> <b>CODE</b>	<b>BACKWARD_REL_</b> <b>CODE</b>	<b>BACKWARD_ROLE</b>
NEXT_OF_KIN	NEXT_OF_KIN_FOR	NEXT_OF_KIN	NEXT_OF_KIN_OF	KINFOLK
OU_AND_BANK	USES_BANK	OUUSEBANK	BANK_USED_BY	BANKUSEBYOU
PARENT/CHILD	PARENT_OF	PARENT	CHILD_OF	CHILD
PARENT/SUBSIDIARY	PARENT_OF	PARENTOFSUB	SUBSIDIARY_OF	SUBSIDIARYOFPAR ENT
PARTNER	PARTNER_OF	PARTNER	PARTNER_OF	PARTNER
PARTNER_	PARENT_OF	PARTNER_	SUBSIDIARY_OF	PARTNER_
HIERARCHY		PARENT_OF		SUBSIDIARY_OF
PARTNER_	CUSTOMER_	CUSTINDIRMANA	INDIRECTLY_	PARTNERINDIREC
MANAGED_	INDIRECTLY_	GEDPART	MANAGES_	TMANAGEDCUST
CUSTOMER	MANAGED_BY		CUSTOMER	
PAYTO	PAYTO_OF	PAYEE	PAYFROM_OF	PAYER
POM_DEFAULT_	POM_DEFAULT_	POMDEFAULTAPP	POM_DEFAULT_	POMAPPROVEDOR
APPROVER	APPROVER_FOR	ROVER	APPROVER	G
POM_PARTY_	POM_PARTY_	POMREFERRER	POM_REFERRED_	POMREFEREE
REFERENCE	REFERRED_BY		PARTY	
POS_ADDRESS_	ADDRESS_OF_SITE	ADDRESS	SITE_ADDRESS	SUPPLIER_SITE
SITES				
POS_	EMPLOYER_OF	POSEMPLOYEE	EMPLOYEE_OF	POSEMPLOYER
EMPLOYMENT				
POS_SUPPLIER_	CONTACT_OF_	CONTACT_OF_	SUPPLIER_	SUPPLIER_
CONTACT	SUPPLIER	SUPPLIER	CONTACT	CONTACT
POS_VENDOR_	PARTY_OF_	PARTY_OF_	CONTACT_OF_	CONTACT_OF_
CONTACT	CONTACT	CONTACT	PARTY	PARTY
POS_VENDOR_	PARTY_OF_	POSORGWITHSUP	VENDOR_OF_	POSSUPPLIER
PARTY	VENDOR	PLIER	PARTY	
REFERENCE	REFERENCE_FOR	REFERENCE	REFERENCE_FOR	REFERENCE
REGISTERED_	REGISTERED_	REGISTEREDCOM	REGISTERED_	ORGWITHREGISTE
COMPANY	COMPANY_OF	P	COMPANY	REDCOMPANY
REG_APPROVER	POM_REG_	POMREGAPPROV	POM_REG_	REGISTEREDPOMA
	APPROVER_OF	ER	APPROVED_BY	PPPER
RELATIVE	RELATIVE_OF	RELATIVE	RELATIVE_OF	RELATIVE

Relationship Phrase and Role Pair Codes

<b>RELATIONSHIP_TYPE</b>	<b>FORWARD_REL_CODE</b>	<b>FORWARD_ROLE_CODE</b>	<b>BACKWARD_REL_CODE</b>	<b>BACKWARD_ROLE</b>
REPAIR_DEPOT_PROVIDER	REPAIR_DEPOT_PROVIDER_FOR	REPAIRDEPOTPROVIDER	REPAIR_DEPOT_PROVIDER	ORGIWTHREPAIREDPOTPROV
SHIPTO	SHIPTO_OF	SHIPPINGSOURCE	SHIPFROM_OF	SHIPPINGDEST
SIBLING	SIBLING_OF	SIBLING	SIBLING_OF	SIBLING
SPOUSE	SPOUSE_OF	SPOUSE	SPOUSE_OF	SPOUSE
STOCK_HODER	STOCK HOLDER_OF	PERSTOCKHOLDE R	STOCK HOLDER	ORGWITHPERSTOCKHOLDER
STOCK HOLDER	STOCK HOLDER_OF	ORGSTOCKHOLDER	STOCK HOLDER	ORGWITHORGSTOCKHOLDER
STUDENT/INSTRUCTOR	STUDENT_OF	STUDENT	INSTRUCTOR_OF	INSTRUCTOR
STUDENTINSTITUTION	ATTENDS_INSTITUTION	STUDENTATTENDING	HAS_STUDENT	INSTITUTIONATTENDING
STUDENT_ADVISING	ADVISOR_OF	STUDENTADVISEE	ADVISEE_OF	STUDENTADVISOR
STUDENT_ADVISING_AT	ADVISOR_AT	STUDENTADVISOR	HAS_ADVISOR	ORGWITHSTUDENTADVISOR
STUDENT_COUNSELING	COUNSELOR_OF	STUDENTCOUNSELEE	COUNSELEE_OF	STUDENTCOUNSELOR
STUDENT_COUNSELING_AT	COUNSELOR_AT	STUDENTCOUNSELEEORG	HAS_COUNSELOR	ORGWITHSTUDENTCOUNSELOR
THIRD_PARTY_AUTHOR	POM_THIRDPARTY_AUTHOR_FOR	POMTHIRDPARTYAUTHOR	POM_THIRDPARTY_AUTHOR	POMORGWITHTHIRDPARTYAUTHOR
UNREGISTERED_COMPANY	UNREGISTERED_COMPANY_OF	UNREGISTEREDCOMP	UNREGISTERED_COMPANY	ORGWITHUNREGISTEREDCOMP
VAD	VAD_OF	VAD	VAD_VENDOR_OF	VADSUPPLIER
VAR	VAR_OF	VAR	VAR_VENDOR_OF	VARSUPPLIER

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## Seeded Word Replacement Lists

This chapter describes the seeded word replacement lists for Data Quality Management.

## Seeded Word Replacement Lists

These seeded word replacement lists are available for Data Quality Management.

- ADDRESS\_DICTIONARY on page 5-3
- DOMAIN\_NAME\_DICTIONARY on page 5-17
- KEY MODIFIERS on page 5-18
- ORGANIZATION\_NAME\_DICTIONARY on page 5-21
- PERSON\_NAME\_DICTIONARY on page 5-23
- STATE\_DICTIONARY on page 5-118

All of these lists are in American English.

**See Also:** *Word Replacements, Oracle Trading Community Architecture Administration Guide*

## ADDRESS\_DICTIONARY

This table lists the original and replacement words of the ADDRESS\_DICTIONARY word replacement list.

<b>Original Word</b>	<b>Replacement Word</b>
ALLEE	ALY
ALLEY	ALY
ANEX	ANX
ANNEX	ANX
ANNX	ANX
ARCADE	ARC
AVEN	AVE
AVENU	AVE
AVENUE	AVE
AVN	AVE
BAYOO	BYU
BAYOU	BYU
BEACH	BCH
BEND	BND
BLUF	BLF
BLUFF	BLF
BLUFFS	BLF
BOT	BTM
BOTTM	BTM
BOTTOM	BTM
BOUL	BLVD
BOULEVARD	BLVD
BOULV	BLVD
BOX	PO

<b>Original Word</b>	<b>Replacement Word</b>
BRANCH	BR
BRDGE	BRG
BRIDGE	BRG
BROOK	BRK
BROOKS	BRK
BUILDING	BLDG
BURGS	BG
BYPA	BYP
BYPAS	BYP
BYPASS	BYP
BYPS	BYP
CAMP	CMP
CANYN	CYN
CANYON	CYN
CAPE	CPE
CAUSEWAY	CSWY
CAUSWAY	CSWY
CENT	CTR
CENTER	CTR
CENTERS	CTR
CENTR	CTR
CIRC	CIR
CIRCL	CIR
CIRCLE	CIR
CIRCLES	CIR
CLF	CLFS
CLIFF	CLFS
CLIFFS	CLFS

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<b>Original Word</b>	<b>Replacement Word</b>
CLUB	CLB
CNTER	CTR
CNTR	CTR
CNYN	CYN
CORNER	COR
CORNERS	COR
COURSE	CRSE
COURT	CT
COURTS	CT
COVE	CV
COVES	CV
CP	CMP
CRCL	CIR
CRCLE	CIR
CRECENT	CRES
CREEK	CRK
CRESCENT	CRES
CRESENT	CRES
CROSSING	XING
CRSCNT	CRES
CRSENT	CRES
CRSNT	CRES
DALE	DL
DRES	CRES
DRIV	DR
DRIVE	DR
DRIVES	DR
DRV	DR

<b>Original Word</b>	<b>Replacement Word</b>
EAST	EA
EIGHT	8
EIGHTH	8TH
ESTATE	EST
ESTS	EST
EXP	EXPY
EXPRESS	EXPY
EXPRESSWAY	EXPY
EXPW	EXPY
EXTENSION	EXT
EXTN	EXT
EXTNSN	EXT
EXTS	EXT
FALLS	FALL
FERRY	FRY
FIELD	FLD
FIELDS	FLD
FIFTH	5TH
FIRST	1ST
FIVE	5
FLAT	FLT
FLATS	FLT
FLDS	FLD
FLTS	FLT
FLOOR	FLR
FORD	FRD
FORDS	FRD
FORESTS	FRST

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<b>Original Word</b>	<b>Replacement Word</b>
FORG	FRG
FORGE	FRG
FORK	FRK
FORKS	FRK
FORT	FT
FOUR	4
FOURTH	4TH
FREEWAY	FWY
FREEWY	FWY
FRRY	FRY
FRT	FT
FRWAY	FWY
FRWY	FWY
GARDEN	GDNS
GARDENS	GDNS
GARDN	GDNS
GATEWAY	GTWY
GATEWY	GTWY
GATWAY	GTWY
GDN	GDNS
GLEN	GLN
GLENS	GLN
GRDEN	GDNS
GRDNS	GDNS
GREEN	GRN
GREENS	GRN
GROV	GRV
GROVE	GRV

<b>Original Word</b>	<b>Replacement Word</b>
GTWAY	GTWY
HARB	HBR
HARBOR	HBR
HARBORS	HBR
HARBR	HBR
HAVEN	HVN
HAVN	HVN
HEIGHT	HTS
HEIGHTS	HTS
HIGHWAY	HWY
HIGHWY	HWY
HILL	HL
HILLS	HL
HIWAY	HWY
HIWY	HWY
HLLW	HOLW
HOLLOW	HOLW
HOLWS	HOLW
HRBOR	HBR
HT	HTS
HWAY	HWY
INLWT	INLT
ISLAND	ISS
ISLANDS	ISS
ISLND	ISS
ISLNDS	ISS
JCTION	JCT
JCTN	JCT

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<b>Original Word</b>	<b>Replacement Word</b>
JCTNS	JCT
JCTS	JCT
JUNCTION	JCT
JUNCTN	JCT
JUNCTON	JCT
KEY	KY
KEYS	KY
KNL	KNLS
KNOL	KNLS
KNOLL	KNLS
KNOLLS	KNLS
KYS	KY
LAKE	LKS
LAKES	LKS
LANDING	LNDG
LANE	LN
LANES	LN
LCK	LCKS
LDGE	LDG
LIGHT	LGT
LNDNG	LNDG
LOAF	LF
LOCK	LCKS
LOCKS	LCKS
LODG	LDG
LODGE	LDG
LOOPS	LOOP
MANOR	MNR

<b>Original Word</b>	<b>Replacement Word</b>
MANORS	MNR
MDW	MDWS
MEADOW	MDWS
MEADOWS	MDWS
MILLS	MLS
MISSION	MSN
MISSN	MSN
MNRS	MNR
MNTAIN	MTN
MNTN	MTN
MNTNS	MTN
MOUNT	MTN
MOUNTAIN	MTN
MOUNTIN	MTN
MSSN	MSN
MTIN	MTN
NECK	NCK
NINE	9
NINETHA	9TH
NORTH	NO
NORTHEAST	NE
NORTHWEST	NW
ONE	1
ORCHARD	ORCH
ORCHRD	ORCH
OVL	OVAL
PARKS	PARK
PARKWAY	PKY

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<b>Original Word</b>	<b>Replacement Word</b>
PARKWY	PKY
PATHS	PATH
PIKES	PIKE
PINE	PNES
PINES	PNES
PKWAY	PKY
PKWY	PKY
PKWYS	PKY
PLACE	PL
PLAIN	PLNS
PLAINES	PLNS
PLAZA	PLZ
PLN	PLNS
PLZA	PLZ
POB	PO
POBOX	PO
POINT	PT
POINTS	PT
PORT	PRT
PORTS	PRT
PRAIRIE	PR
PRK	PARK
PRR	PR
PRTS	PRT
PTS	PT
RAD	RADL
RADIAL	RADL
RADIEL	RADL

<b>Original Word</b>	<b>Replacement Word</b>
RANCH	RNCH
RANCHES	RNCH
RAPID	RPDS
RAPIDS	PRDS
RDGE	RDG
RDGS	RDG
REST	RST
RIDGE	RDG
RIDGES	RDG
RIVER	RIV
RIVERS	RIV
RIVR	RIV
RNCHS	RNCH
ROAD	RDS
ROADS	RDS
RVR	RIV
SECOND	2ND
SEVEN	7
SEVENTH	7TH
SHL	SHLS
SHOAL	SHLS
SHOALS	SHLS
SHOAR	SHRS
SHOARS	SHRS
SHORE	SHRS
SHORES	SHRS
SHR	SHRS
SIX	6

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<b>Original Word</b>	<b>Replacement Word</b>
SIXTH	6TH
SOUTH	SO
SOUTHEAST	SE
SOUTHWEST	SW
SPG	SPGS
SPNG	SPGS
SPNGS	SPGS
SPURS	SPUR
SQR	SQ
SQRE	SQ
SQU	SQ
SQUARE	SQ
SQUARES	SQ
STATION	STA
STATIONS	STA
STATN	STA
STN	STA
STR	ST
STRAV	STRA
STRAVE	STRA
STRAVEN	STRA
STRAVENUE	STRA
STRAVN	STRA
STREAM	STRM
STREET	ST
STREETS	ST
STREME	STRM
STRT	ST

<b>Original Word</b>	<b>Replacement Word</b>
STRVN	STRA
STRVNUE	STRA
SUMIT	SMT
SUMITT	SMT
SUMMIT	SMT
TEN	10
TERR	TER
TERRACE	TER
THREE	3
TPK	TPKE
TRACE	TRCE
TRACES	TRCE
TRACK	TRAK
TRAFFICWAY	TRFY
TRAIL	TRL
TRAILER	TRLR
TRAILS	TRL
TRAKCS	TRAK
TRIRD	3RD
TRK	TRAK
TRKS	TRAK
TRLRS	TRLR
TRLS	TRL
TRNPK	TPKE
TUNEL	TUNL
TUNLS	TUNL
TUNNEL	TUNL
TUNNL	TUNL

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<b>Original Word</b>	<b>Replacement Word</b>
TURNPIKE	TPKE
TURNPK	TPKE
TWO	2
UNION	UN
UNIONS	UN
VALLEY	VLV
VALLEYS	VLV
VALLY	VLV
VIAALGE	VLG
VIADCT	VIA
VIADUCT	VIA
VIEW	VW
VIEWS	VW
VILL	VLG
VILLAG	VLG
VILLE	VL
VILLG	VLG
VILLIAGE	VLG
VIST	VIS
VISTA	VIS
VLGS	VLG
VLLY	VLV
VLYS	VLV
VST	VLV
VSTA	VIS
VWS	VW
WALKS	WALK
WAYS	WAY

<b>Original Word</b>	<b>Replacement Word</b>
WELL	WLS
WELLS	WLS
WEST	W
WY	WAY

## DOMAIN\_NAME\_DICTIONARY

This table lists the original and replacement words of the DOMAIN\_NAME\_DICTIONARY word replacement list. The list is used for e-mail addresses and URLs. The replacement words are intentionally blank so that the returned values will be more fuzzy.

Original Word	Replacement Word
AU	
CN	
CO	
COM	
EDU	
FR	
GOV	
HTML	
IN	
JP	
NET	
ORG	
TV	
UK	
WWW	

## KEY MODIFIERS

This table lists the original and replacement words of the KEY MODIFIERS word replacement list. Many of the replacement words are intentionally blank so that the returned values will be more fuzzy.

Original Word	Replacement Word
!	
"	
#	
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<b>Original Word</b>	<b>Replacement Word</b>
\	
]	
^	
-	
'	
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
L	L
M	M
N	N
O	O
P	P
Q	Q
R	R
S	S
T	T
U	U
V	V

## KEY MODIFIERS

---

<b>Original Word</b>	<b>Replacement Word</b>
W	W
X	X
Y	Y
Z	Z
{	
}	
~	

## ORGANIZATION\_NAME\_DICTIONARY

This table lists the original and replacement words of the ORGANIZATION\_NAME\_DICTIONARY word replacement list.

<b>Original Word</b>	<b>Replacement Word</b>
AND	
ASSOCIATES	ASSOC
AT	
BW	Business World
CALIFORNIA	CALIF
CHAPTER	CHPTR
COLLEGE	COLL
COLLEGES	COLL
COMMUNITY	COMM
COMPANY	CO
COMPUTER	COMP
COMPUTING	COMP
CONSULTANTS	CONS
CORPORATION	CORP
DEPARTMENT	DEPT
DIVISION	DIV
ENGINEERING	ENGR
ENTERPRISES	ENTR
FOR	
GROUP	GRP
IN	
INCORPORATED	INC
INDUSTRIES	IND
INDUSTRY	IND

<b>Original Word</b>	<b>Replacement Word</b>
INFORMATION	INFO
INTERNATIONAL	INTL
JAYNE	JANE
LABORATORIES	LAB
LABORATORY	LAB
LIMITED	LTD
MANAGEMENT	MGMT
OF	
OR	
PARTNERS	PTR
SERVICES	SVCS
SOFTWARE	SOFT
STATE	ST
SYSTEMS	SYS
TECHNOLOGIES	TECH
TECHNOLOGY	TECH
THE	
UNIVERSITY	UNIV

## PERSON\_NAME\_DICTIONARY

This table lists the original and replacement words of the PERSON\_NAME\_DICTIONARY word replacement list.

Original Word	Replacement Word
AB	ABNER
ABBEY	ABIGAIL
ABBIE	ABIGAIL
ABBOTT	ABBOT
ABBY	ABIGAIL
ABE	ABRAHAM
ABIE	ABRAHAM
ABRAM	ABRAHAM
AD	ADAM
ADA	ADELAIDE
ADABEL	ADABELLE
ADALARD	ALBERT
ADALBERT	ALBERT
ADALIA	ADELAIDE
ADALINE	ADELAIDE
ADAMS	ADAM
ADAMSON	ADAM
ADDIE	ADELAIDE
ADDY	ADELAIDE
ADELA	ADELAIDE
ADELARD	ALBERT
ADELE	ADELAIDE
ADELIA	ADELAIDE
ADELINA	ADELAIDE

<b>Original Word</b>	<b>Replacement Word</b>
ADELIND	ADELAIDE
ADELINE	ADELAIDE
ADELLA	ADELAIDE
ADEN	ADIN
ADENA	ADINE
ADIELL	ADIEL
ADILA	ADELAIDE
ADINA	ADINE
ADNAH	ADNA
ADOLF	ADOLPH
ADOLPHE	ADOLPH
ADOLPHUS	ADOLPH
ADRIA	ADRIENNE
ADRIANA	ADRIENNE
ADRIANNA	ADRIENNE
ADRIANNE	ADRIENNE
ADRIEN	ADRIAN
AG	AGATHA
AGATHE	AGATHA
AGATHY	AGATHA
AGGIE	AGATHA
AGGY	AGATHA
AGNA	AGNES
AGNELLA	AGNES
AGNETA	AGNES
AIDA	ADELAIDE
AIMEE	AMY
AKSEL	AVERILL

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<b>Original Word</b>	<b>Replacement Word</b>
AL	ALBERT
ALAIN	ALAN
ALAINE	ELAINE
ALARICK	ALARIC
ALASTAIR	ALEX
ALAYNE	ELAINE
ALBEN	ALBAN
ALBERTA	ALBERT
ALBERTINA	ALBERT
ALBERTINE	ALBERT
ALBIN	ALBAN
ALBION	AUBIN
ALBRECHT	ALBERT
ALCOT	ALCOTT
ALDA	ALDIS
ALDAS	ALDIS
ALDIN	ALDEN
ALDOUS	ALDIS
ALDUS	ALDIS
ALDWIN	ALDEN
ALDYA	ALDIS
ALEC	ALEX
ALECK	ALEX
ALEDA	ALIDA
ALEECE	ALICE
ALENE	AILEEN
ALETA	ALETHEA
ALEXA	ALEX

<b>Original Word</b>	<b>Replacement Word</b>
ALEXANDER	ALEX
ALEXANDRA	ALEX
ALEXIS	ALEX
ALF	ALFRED
ALFIE	ALFRED
ALFONSO	ALPHONSE
ALFREDA	FREDA
ALFY	ALFRED
ALGAR	ALGER
ALGIE	ALGERNON
ALICIA	ALICE
ALICK	ALEX
ALINA	ALANA
ALINE	AILEEN
ALIS	ALICE
ALISA	ALICE
ALISON	ALICE
ALISSA	ALICE
ALITTA	ALETHEA
ALIX	ALEX
ALLA	ALEX
ALLAN	ALAN
ALLANA	ALANA
ALLEN	ALAN
ALLIE	ALICE
ALLIS	ALICE
ALLISTER	ALEX
ALLY	ALICE

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<b>Original Word</b>	<b>Replacement Word</b>
ALOISIA	ALOYSIA
ALONZO	ALPHONSE
ALOYSE	ALOYSIA
ALOYSIUS	LEWIS
ALPHONSO	ALPHONSE
ALRISE	ALARICE
ALTHEE	ALTHEA
ALTHETA	ALTHEA
ALVA	ALBAN
ALVAN	ALVIN
ALWIN	ALVIN
ALWYN	ALVIN
ALYCE	ALICE
ALYDA	ALIDA
ALYS	ALICE
ALYSIA	ALICE
ALYSSA	ALICE
AMALIA	AMELIA
AMARY	AMORY
AMELIE	AMELIA
AMERY	AMORY
AMI	AMY
AMIE	AMY
ANA	STACY
ANABEL	ANN
ANABELLA	ANN
ANABELLE	ANN
ANASTAS	STACY

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<b>Original Word</b>	<b>Replacement Word</b>
ANASTASIA	STACY
ANASTASIUS	STACY
ANASTATIA	STACY
ANASTATIUS	STACY
ANATOL	ANATOLE
ANDEE	ANDREA
ANDERS	ANDREW
ANDI	ANDREA
ANDRE	ANDREW
ANDREANA	ANDREA
ANDREAS	ANDREW
ANDRIEN	ANDREW
ANDY	ANDREW
ANGEL	ANGELA
ANGELICA	ANGELA
ANGELINA	ANGELA
ANGELINE	ANGELA
ANGELITA	ANGELA
ANGIE	ANGELA
ANGY	ANGELA
ANITA	ANN
ANNA	ANN
ANNE	ANN
ANNETTA	ANN
ANNETTE	ANN
ANNIE	ANN
ANNORA	ANN
ANSEL	ANSELM

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<b>Original Word</b>	<b>Replacement Word</b>
ANTHIA	ANTHEA
ANTOINE	ANTHONY
ANTOINETTA	ANTONIA
ANTOINETTE	ANTONIA
ANTON	ANTHONY
ANTONI	ANTHONY
ANTONINA	ANTONIA
ANTONIO	ANTHONY
ANTONY	ANTHONY
ANYA	ANN
ARA	ARABELLA
ARABELLE	ARABELLA
ARCH	ARCHIBALD
ARCHER	ARCHIBALD
ARCHIE	ARCHIBALD
ARCHY	ARCHIBALD
ARDELIA	ARDIS
ARDELIS	ARDIS
ARDELLA	ARDIS
ARDELLE	ARDIS
ARDENE	ARDIS
ARDINE	ARDIS
ARDRA	ARDIS
ARIANA	ARIADNE
ARIANE	ARIADNE
ARLANA	ARLENE
ARLEEN	ARLENE
ARLENA	ARLENE

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<b>Original Word</b>	<b>Replacement Word</b>
ARLETTE	ARLENE
ARLEY	HARLEY
ARLIE	HARLEY
ARLINA	ARLENE
ARLINE	ARLENE
ARMAND	HERMAN
ARMIN	HERMAN
ARMINE	ARMINA
ARMOND	HERMAN
ARMYN	HERMAN
ARNE	ARNOLD
ARNIE	ARNOLD
ARNO	ARNOLD
ARON	AARON
ART	ARTHUR
ARTIE	ARTHUR
ARTURO	ARTHUR
ARV	ARVIN
ARVIE	ARVIN
ARVY	ARVIN
ASTREA	ASTRA
ASTRED	ASTRA
ASTRID	ASTRA
ATHENE	ATHENA
AUDIE	AUDREY
AUDRIE	AUDREY
AUDRY	AUDREY
AUGIE	GUS

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<b>Original Word</b>	<b>Replacement Word</b>
AUGUST	GUS
AUGUSTA	GUS
AUGUSTIN	GUS
AUGUSTINA	GUS
AUGUSTINE	GUS
AUGUSTUS	GUS
AURA	AURELIA
AUREA	AURELIA
AUREL	AURELIA
AURELIE	AURELIA
AURICK	WARRICK
AURIE	AURELIA
AURORA	AURELIA
AUSTEN	GUS
AUSTIN	GUS
AUSTINE	GUS
AV	AVERILL
AVA	AVIS
AVERIL	AVERILL
AVI	AVIS
AVRAM	ABRAHAM
AXEL	AVERILL
AYLMER	ELMER
AZALEA	AZALIA
AZELIA	AZALIA
BABBY	BARBARA
BABETTE	BARBARA
BABS	BARBARA

<b>Original Word</b>	<b>Replacement Word</b>
BARBETTE	BARBARA
BARBY	BARBARA
BARD	BAIRD
BARDEN	BORDEN
BARDO	BARTHOLOMEW
BARNABAS	BARNABY
BARNARD	BERNIE
BARNET	BERNIE
BARNETT	BERNIE
BARNEY	BERNIE
BARRETT	BARRET
BARRIE	BARUCH
BARRON	BARON
BARRY	BARUCH
BART	BARTHOLOMEW
BARTH	BARTHOLOMEW
BARTHOL	BARTHOLOMEW
BARTHOLEMEW	BARTHOLOMEW
BARTHOLEMY	BARTHOLOMEW
BARTLETT	BARTHOLOMEW
BARTLEY	BARTHOLOMEW
BARTRAM	BERTRAM
BAT	BARTHOLOMEW
BAX	BAXTER
BAYNARD	BERNIE
BEA	BEATRICE
BEAATRIX	BEATRICE
BECKY	REBECCA

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<b>Original Word</b>	<b>Replacement Word</b>
BEE	BEATRICE
BEL	LINDA
BELINDA	LINDA
BELL	MIRABEL
BELLE	ISABEL
BEN	BENJAMIN
BENAY	BENA
BENEDETTA	BENEDICTA
BENEDIC	BENEDICT
BENEDICK	BENEDICT
BENEDIX	BENEDICT
BENETTA	BENEDICTA
BENITA	BENEDICTA
BENJIE	BENJAMIN
BENJY	BENJAMIN
BENNET	BENEDICT
BENNETT	BENEDICT
BENNIE	BENJAMIN
BENNY	BENJAMIN
BENSON	BENJAMIN
BERENICE	BERNIE
BERG	BURGESS
BERGER	BURGESS
BERGESS	BURGESS
BERN	BERNIE
BERNADETTE	BERNADINE
BERNARD	BERNIE
BERNARR	BERNIE

<b>Original Word</b>	<b>Replacement Word</b>
BERNETA	BERNADINE
BERNETTA	BERNADINE
BERNETTE	BERNADINE
BERNHARD	BERNIE
BERNI	BERNIE
BERNIA	BERNADINE
BERNICE	BERNIE
BERNY	BERNIE
BERRI	BERYL
BERRIE	BERYL
BERRY	BERYL
BERT	ALBERT
BERTA	BERTHA
BERTI	BERTHA
BERTIE	ALBERT
BERTINA	BERTHA
BERTON	BURTON
BERTRAND	BERTRAM
BERTY	OSBERT
BERYLE	BERYL
BESS	ELIZABETH
BESSE	ELIZABETH
BESSIE	ELIZABETH
BETH	ELIZABETH
BETSY	ELIZABETH
BETTE	ELIZABETH
BETTI	ELIZABETH
BETTINA	ELIZABETH

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<b>Original Word</b>	<b>Replacement Word</b>
BETTY	ELIZABETH
BEV	BEVERLY
BEVERLEY	BEVERLY
BEVERLIE	BEVERLY
BEVIN	BEVAN
BEVY	BEVERLY
BIANCA	BLANCHE
BILL	WILLIAM
BILLE	WILLIAM
BILLIE	WILLIAM
BILLY	WILLIAM
BINA	SABINA
BLAISE	BLAZE
BLANCA	BLANCHE
BLANCH	BLANCHE
BLANE	BLAINE
BLASE	BLAZE
BLAYNE	BLAINE
BLISS	BLYTHE
BLISSE	BLYTHE
BLUMA	ANTHEA
BOB	ROBERT
BOBBE	ROBERTA
BOBBI	ROBERTA
BOBBIE	ROBERT
BOBBY	ROBERT
BONI	BONNIE
BONNE	BONNIE

<b>Original Word</b>	<b>Replacement Word</b>
BONNI	BONNIE
BONNY	BONNIE
BRAM	ABRAHAM
BRANCA	BLANCHE
BRANDON	BRENDAN
BREE	AUBREY
BREN	BRENDA
BRENDEN	BRENDAN
BRENDON	BRENDAN
BRENNAN	BRENDAN
BRET	BRETT
BREY	AUBREY
BRIDGID	BRIDGET
BRIE	BRIDGET
BRIETA	BRIDGET
BRIETTA	BRIDGET
BRIGETTE	BRIDGET
BRIGIDA	BRIDGET
BRIGITTE	BRIDGET
BRINA	SABRINA
BRITA	BRIDGET
BRODERICK	ROD
BROM	BROMLEY
BROMLEA	BROMLEY
BROMLEIGH	BROMLEY
BRUNHILD	BRUNHILDE
BRUNHILDA	BRUNHILDE
BRYAN	BRIAN

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<b>Original Word</b>	<b>Replacement Word</b>
BRYANT	BRIAN
BRYCE	BRICE
BUD	BUDD
BUDDY	BUDD
BURG	BURGESS
BURT	BURTON
CAL	CALVIN
CALVERT	CALVIN
CAM	CAMILLA
CAMELLA	CAMILLA
CAMELLIA	CAMILLA
CAMILLE	CAMILLA
CAMM	CAMERON
CAMPBALL	CAMPBELL
CANDICE	CANDACE
CANDIDA	CANDACE
CANDIE	CANDACE
CANDY	CANDACE
CAREY	CAROL
CARISSA	CHARISSA
CARL	CHARLES
CARLETON	CHARLTON
CARLO	CHARLES
CARLOS	CHARLES
CARLOTTA	CHARLOTTE
CARLTON	CHARLTON
CARLY	CARLA
CARMELA	CARMEL

<b>Original Word</b>	<b>Replacement Word</b>
CARMELITA	CARMEL
CARMENA	CARMEN
CARMINA	CARMEN
CARMINE	CARMEN
CARMITA	CARMEN
CAROLA	CAROL
CAROLE	CAROL
CAROLINA	CAROL
CAROLINE	CAROL
CAROLLE	CAROL
CAROLYN	CAROL
CARR	CAREW
CARRIE	CAROL
CARROL	CHARLES
CARRY	CHARLOTTE
CARY	CAROL
CARYL	CAROL
CASPER	JASPER
CASS	CASSANDRA
CASSANDRE	CASSANDRA
CASSIE	CASSANDRA
CASSY	CASIMIR
CATHARINE	KATHERINE
CATHERINA	KATHERINE
CATHERINE	KATHERINE
CATHLEEN	KATHERINE
CECILE	CECILIA
CECILY	CECILIA

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<b>Original Word</b>	<b>Replacement Word</b>
CELESTA	CELESTE
CELESTINE	CELESTE
CELIA	CECILIA
CEPORAH	ZIPPORAH
CHAD	CHADWICK
CHAN	CHANDLER
CHANCELLOR	CHAUNCEY
CHANCELOR	CHAUNCEY
CHAPEN	CHAPIN
CHAPLAND	CHAPIN
CHAPLIN	CHAPIN
CHARITA	CHARITY
CHARLENE	CHARLOTTE
CHARLETON	CHARLTON
CHARLEY	CHARLES
CHARLIE	CHARLES
CHARLINE	CHARLOTTE
CHARMAIN	CHARMINE
CHARRY	CHARITY
CHAS	CHARLES
CHELTON	CHILTON
CHERRY	CHARITY
CHERYL	CHERIE
CHESTON	CHESTER
CHET	CHESTER
CHRISSIE	CHRIS
CHRISSY	CHRIS
CHRISTA	CHRIS

---

<b>Original Word</b>	<b>Replacement Word</b>
CHRISTABEL	CHRIS
CHRISTABELLE	CHRIS
CHRISTAL	CHRIS
CHRISTIAN	CHRIS
CHRISTIANA	CHRIS
CHRISTIE	CHRIS
CHRISTINA	CHRIS
CHRISTINE	CHRIS
CHRISTOPHER	CHRIS
CHRISTY	CHRIS
CHRYSTAL	CHRIS
CHUCK	CHARLES
CICILY	CECILIA
CINDY	CYNTHIA
CIS	CECILIA
CISSY	CECILIA
CLAIRE	CLAIR
CLARA	CLAIR
CLARABELLE	CLAIR
CLARE	CLAIR
CLARENCE	CLAIR
CLARETA	CLAIR
CLARETTE	CLAIR
CLARI	CLAIR
CLARIBEL	CLAIR
CLARICE	CLARISSA
CLARINE	CLAIR
CLARISA	CLARISSA

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<b>Original Word</b>	<b>Replacement Word</b>
CLARISE	CLARISSA
CLARKE	CLARK
CLAUDE	CLAUD
CLAUDETTE	CLAUD
CLAUDIA	CLAUD
CLAUDIE	CLAUD
CLAUDINE	CLAUD
CLAUDIO	CLAUD
CLAUDY	CLAUD
CLAUS	NICHOLAS
CLAY	CLAYTON
CLAYBORN	CLAYTON
CLAYBORNE	CLAYTON
CLEM	CLEMENT
CLEMENCE	CLEMENT
CLEO	CLEOPATRA
CLEVE	CLIVE
CLOE	CHLOE
CLOTHILDE	CLOTILDE
CLOTILDA	CLOTILDE
CLOVIS	LEWIS
COL	COLEMAN
COLAN	COLIN
COLBERT	CULBERT
COLE	COLEMAN
COLEEN	COLLEEN
COLENE	COLLEEN
COLLETTE	COLETTE

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<b>Original Word</b>	<b>Replacement Word</b>
COLLEY	NICHOLAS
COLMAN	COLEMAN
COLVER	CULVER
CON	CONNIE
CONALL	CONAL
CONANA	CONAL
CONANT	CONAL
CONN	CONNIE
CONNEL	CONAL
CONNI	CONNIE
CONSTANCE	CONNIE
CONSTANT	CONNIE
CONSTANTIA	CONNIE
CONSTANTINA	CONNIE
CONSTANTINE	CONNIE
CONSUELO	CONSUELA
CORALIE	CORAL
CORBY	CORBIN
CORDELLIA	CORDELLA
CORENE	CORA
CORETTA	CORA
CORETTE	CORA
CORINNA	CORA
CORINNE	CORA
CORNEL	CORNELIUS
CORNELA	CORNELIA
CORNELL	CORNELIUS
CORRENA	CORA

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<b>Original Word</b>	<b>Replacement Word</b>
CORRIE	CORA
CORRY	CORA
CORT	COURTENAY
CORTIE	COURTENAY
CORTY	COURTENAY
CORWIN	CORBIN
CORY	COREY
COURT	COURTENAY
COURTLAND	COURTENAY
COURTNEY	COURTENAY
CRISPEN	CRISPIN
CRYSTAL	CHRIS
CURT	CURTIS
CUTHBERT	CULBERT
CY	CYRUS
CYN	CYNTHIA
CYNTH	CYNTHIA
CYNTHIE	CYNTHIA
DAG	DAGMAR
DAIL	DALE
DAILE	DALE
DAISIE	DAISY
DAL	DALLAS
DALILA	DELILAH
DALTON	DALE
DAMARIS	DAMARA
DAMIAN	DAMON
DAN	DANIEL

<b>Original Word</b>	<b>Replacement Word</b>
DANBY	DENBY
DANE	DANA
DANIELL	DANIEL
DANNY	DANIEL
DANTE	DURAND
DAPHIE	DAPHNE
DARA	DARCIE
DAREECE	DARICE
DAREES	DARICE
DARI	DARICE
DARIAN	DARIUS
DARLEEN	DARLENE
DARLINE	DARLENE
DARNELL	DANIEL
DARREN	DARRELL
DARRYL	DARRELL
DARYL	DARLENE
DAVE	DAVID
DAVETA	DAVINA
DAVIDA	DAVINA
DAVIE	DAVID
DAVIS	DAVID
DAVITA	DAVINA
DAVY	DAVID
DEANE	DEAN
DEANNA	DIANA
DEB	DEBORAH
DEBBIE	DEBORAH

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<b>Original Word</b>	<b>Replacement Word</b>
DEBBY	DEBORAH
DEBORA	DEBORAH
DEBRA	DEBORAH
DEE	AUDREY
DEEDEE	DEIDRE
DEL	CORDELIA
DELA	ADELAIDE
DELBERT	ALBERT
DELIA	CORDELLA
DELLA	CORDELLA
DELMER	DELMAR
DELORES	DOLORES
DELORIS	DOLORES
DELPHINIA	DELPHINE
DEMITRIA	DEMETRIA
DEMMY	DEMETRIUS
DEMONA	MONA
DEMPSEY	DEMPSTER
DEMPSTOR	DEMPSTER
DEMY	DEMETRIA
DENICE	DENISE
DENIS	DENNIS
DENNIE	DENNIS
DENNISON	DENNIS
DENNY	DENNIS
DENY	DENNIS
DENYS	DENNIS
DENZIL	DENNIS

<b>Original Word</b>	<b>Replacement Word</b>
DEREK	THEODORIC
DERIAN	DARIUS
DERK	THEODORIC
DERMOT	KERMIT
DERRICK	THEODORIC
DERWOOD	DURWARD
DESDAMONA	MONA
DESDEMONA	MONA
DESTA	MODESTA
DESTE	MODESTA
DEWEY	DAVID
DI	DIANA
DIANE	DIANA
DIANNA	DIANA
DIANNE	DIANA
DICK	RICHARD
DICKY	RICHARD
DIEGO	JAMES
DIERDRE	DEIDRE
DIM	DAPHNE
DIMITRI	DEMETRIUS
DIMITRIA	DEMETRIA
DINA	DINAH
DION	DENNIS
DIX	DIXIE
DIXON	BENEDICT
DMITRI	DEMETRIUS
DODI	DORIS

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<b>Original Word</b>	<b>Replacement Word</b>
DOLLIE	DOROTHY
DOLLY	DOROTHY
DOLORA	DOLORES
DOLPH	RUDOLPH
DOM	DOMINIC
DOMINIQUE	DOMINICA
DOMINY	DOMINIC
DON	DONALD
DONA	DONNA
DONAL	DONALD
DONALL	DONALD
DONINICK	DOMINIC
DONN	DONALD
DONNELL	DONALD
DONNIE	DONALD
DONNY	DONALD
DORA	DOROTHY
DORE	DOROTHY
DOREEN	DORENE
DORETTA	DOROTHY
DOREY	DORIAN
DORI	THEODORA
DORIE	DORENE
DORIN	DORINDA
DORINE	DORENE
DOROTHEA	DOROTHY
DOROTHI	DOROTHY
DORRAN	DORAN

<b>Original Word</b>	<b>Replacement Word</b>
DORRIE	DOLORES
DORRY	DOLORES
DORTHEA	DOROTHY
DORTHY	DOROTHY
DORY	ISIDORE
DOT	DOROTHY
DOTTIE	DOROTHY
DOTTY	DOROTHY
DOUG	DOUGLAS
DREW	ANDREW
DRU	DRUSILLA
DRUCILLA	DRUSILLA
DRUE	ANDREW
DRUS	DRUSILLA
DRUSIE	DRUSILLA
DUD	DEDLEY
DUKE	MARMADUKE
DULCI	DULCIE
DULCINE	DULCIE
DUNC	DUNCAN
DURANT	DURAND
DURWARE	DURWARD
DURWOOD	DURWARD
DURWYN	DURWIN
DWANE	DUANE
DWAYNE	DUANE
EADIE	EDITH
EADITH	EDITH

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<b>Original Word</b>	<b>Replacement Word</b>
EADWINA	EDWINA
EADWINE	EDWINA
EARLE	EARL
EARLY	EARL
EARTHA	HERTHA
EB	EBENEZER
EBERHART	EVERARD
EDA	EDITH
EDDIE	ED
EDDY	ED
EDE	EDITH
EDIE	EDITH
EDINA	EDITH
EDISON	ED
EDLIN	ED
EDMOND	ED
EDMUND	ED
EDNY	EDNA
EDRICH	ERIC
EDRICK	EDRIC
EDSON	ED
EDUARD	ED
EDVIG	HEDWIG
EDWARD	ED
EDWIN	ED
EDWINE	EDWINA
EDYTHE	EDITH
EFFY	EFFIE

<b>Original Word</b>	<b>Replacement Word</b>
EFREM	EPHRAIM
EGON	EGAN
EILEEN	AILEEN
EIRENE	IRENE
EL	ELDON
ELANA	ELAINE
ELAYNE	ELAINE
ELBERT	ALBERT
ELBERTA	ALBERT
ELDEN	ELDON
ELDRED	EDDRIDGE
ELDRID	EDDRIDGE
ELDWEN	ELDWIN
ELEANOR	HELEN
ELEANORA	HELEN
ELEANORE	HELEN
ELENA	HELEN
ELENE	HELEN
ELENORE	HELEN
ELERY	ELLERY
ELEXA	ALEX
ELFRIDA	ELFREDA
ELIA	ELI
ELIEZER	ELEAZAR
ELIHU	ELIAS
ELIJAH	ELIAS
ELINOR	HELEN
ELINORE	HELEN

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<b>Original Word</b>	<b>Replacement Word</b>
ELIOT	ELIAS
ELISA	ELIZABETH
ELISABETH	ELIZABETH
ELISABETTA	ELIZABETH
ELISE	ELIZABETH
ELISON	ELLISON
ELISSA	ALICE
ELIZA	ELIZABETH
ELLA	HELEN
ELLEN	HELEN
ELLIE	HELEN
ELLIOT	ELIAS
ELLIS	ELIAS
ELMIRA	ALMIRA
ELNORE	HELEN
ELOISE	LOUISE
ELSA	ELIZABETH
ELSBETH	ELIZABETH
ELSE	ELIZABETH
ELSIE	ELIZABETH
ELSWORTH	ELLSWORTH
ELVA	ELVIRA
ELVIE	ELVIRA
ELVIN	ALVIN
ELWYN	ELWIN
ELY	ELI
EM	EMILY
EMERY	EMORY

<b>Original Word</b>	<b>Replacement Word</b>
EMIE	EMMA
EMILIA	EMILY
EMILIE	EMILY
EMLYN	EMIL
EMMETT	EMMET
EMMIE	EMMA
EMMY	EMILY
ENRICO	HENRY
EOLANDE	YOLANDE
EPH	EPHRAIM
ERDA	HERTHA
ERICK	ERIC
ERIK	ERIC
ERIKA	ERICA
ERIN	ERINA
ERLE	EARL
ERMA	IRMA
ERME	IRMA
ERMIN	HERMAN
ERMINIE	ARMINA
ERN	ERNEST
ERNA	ERNESTINE
ERNESTA	ERNESTINE
ERNIE	ERNEST
ERROL	EARL
ERVIN	IRVIN
ERVINE	IRVIN
ERWIN	IRVIN

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<b>Original Word</b>	<b>Replacement Word</b>
ESME	ESMERALDA
ESSIE	ESTHER
ESSY	ESTHER
ESTA	ESTHER
ESTELLA	ESTELLE
ESTER	ESTHER
ETHELBERT	ALBERT
ETHYL	ETHEL
ETTA	HENRIETTA
ETTY	HENRIETTA
EUGENIE	EUGENIA
EUPHEMIA	EFFIE
EUPHEMIE	EFFIE
EV	EVERARD
EVA	EVE
EVAN	JOHN
EVELEEN	EVE
EVELINA	EVE
EVELINE	EVE
EVELYN	EVE
EVERETT	EVERARD
EVIE	EVE
EVITA	EVE
EVONNE	EVE
EZ	EZRA
EZMERALDA	ESMERALDA
FABE	FABIAN
FAE	FAITH

<b>Original Word</b>	<b>Replacement Word</b>
FAIRLIE	FAIRLEY
FAN	FANNY
FANNIE	FANNY
FARANT	FARAND
FARL	FAIRLEY
FARLEY	FAIRLEY
FARRAND	FARAND
FARREL	FARRELL
FAULKNER	FALKNER
FAUSTENA	FAUSTINA
FAUSTINE	FAUSTINA
FAY	FAITH
FAYE	FAITH
FEFFRY	GEOFFREY
FELIC	FELICIA
FELISE	FELICIA
FEODOR	THEODORE
FEODORE	THEODORE
FERD	FERDINAND
FERDE	FERDINAND
FERDIE	FERDINAND
FERNALD	FARNELL
FERNAND	FERDINAND
FERNANDO	FERDINAND
FHIONA	FIONNA
FIDELIA	FIDELA
FIDELITY	FIDELA
FIDELLA	FIDELA

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<b>Original Word</b>	<b>Replacement Word</b>
FIFI	JOSEPHINE
FILBERT	PHILBERT
FILIP	PHILIP
FILMORE	FILMER
FILP	PHILIP
FINDLAY	FINLEY
FIO	FIONNA
FIONA	FIONNA
FISKE	FISK
FLAVIUS	FLAVIAN
FLEM	FLEMING
FLETCH	FLETCHER
FLEUR	FLORENCE
FLEURETTE	FLORENCE
FLO	FLORENCE
FLORA	FLORENCE
FLORETTE	FLORENCE
FLORIA	FLORENCE
FLORIE	FLORENCE
FLORIS	FLORENCE
FLORY	FLORIAN
FLOSSIE	FLORENCE
FLOWER	FLORENCE
FLOYD	LLOYD
FOREST	FORREST
FOWLER	FALKNER
FRAN	FRANCES
FRANCE	FRANCES

<b>Original Word</b>	<b>Replacement Word</b>
FRANCESCA	FRANCES
FRANCHOT	FRANCES
FRANCINE	FRANCES
FRANCIS	FRANCES
FRANK	FRANKLIN
FRANKIE	FRANCES
FRANNY	FRANCES
FRANZ	FRANCES
FRED	FREDERICK
FREDDIE	FREDERICK
FREDDY	FREDERICK
FREDERIC	FREDERICK
FREDIE	FREDA
FREDRIC	FREDERICK
FREDRIKA	FREDERICA
FREEMON	FREEMAN
FREIDA	FREDA
FRIDA	FREDA
FRIEDA	FREDA
FRITZ	FREDERICK
FRITZI	FRITZIE
FRITZY	FRITZIE
GABBY	GABRIEL
GABE	GABRIEL
GABEY	GABRIELLE
GABI	GABRIELLE
GABIE	GABRIELLE
GABRIELLA	GABRIELLE

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<b>Original Word</b>	<b>Replacement Word</b>
GADMON	GADMAN
GAE	GAY
GAEL	ABIGAIL
GAIL	ABIGAIL
GALE	ABIGAIL
GAR	GARVIN
GARDA	GERDA
GARDNER	GARDINER
GARETH	GARETT
GAREY	GARETT
GARNETT	GARNET
GAROLD	GERALD
GARRETH	GARETT
GARRETT	GARETT
GARRY	GARETT
GARTH	GARETT
GARY	GARETT
GASPAR	JASPER
GAVIN	GAWAIN
GAYE	GAY
GAYL	ABIGAIL
GEMINA	GEMINI
GEN	GUINEVERE
GENA	EUGENIA
GENE	EUGENIA
GENEVA	GENEVIEVE
GENIE	EUGENIA
GENNY	GUINEVERE

<b>Original Word</b>	<b>Replacement Word</b>
GEOF	GEOFFREY
GEOFF	GEOFFREY
GEORGETTA	GEORGIANA
GEORGETTE	GEORGIANA
GEORGI	GEORGIANA
GEORGIA	GEORGIANA
GEORGIANNA	GEORGIANA
GEORGIE	GEORGIANA
GEORGINA	GEORGIANA
GEORGINE	GEORGIANA
GERALDA	GERALDINE
GERARD	GARETT
GERDI	GERDA
GERELD	GERALD
GERI	GERALDINE
GERRALD	GERALD
GERRY	GERALD
GERTA	GERTRUDE
GERTI	GERTRUDE
GERTIE	GERTRUDE
GERTY	GERTRUDE
GERVAIS	GERVASE
GERY	GERALD
GIAN	JOHN
GIANNA	JANE
GIL	GILBERT
GILBERTE	GILBERTA
GILBERTINA	GILBERTA

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<b>Original Word</b>	<b>Replacement Word</b>
GILBERTINE	GILBERTA
GILE	GILES
GILLES	GILES
GILLI	GILDA
GILLY	GILES
GILPIN	GILBERT
GINA	REGINA
GINE	REGINA
GINGER	VIRGINIA
GINNY	VIRGINIA
GIOVANNI	JOHN
GISELA	GISELLE
GISELE	GISELLE
GITEL	GITTEL
GITLE	GITTEL
GITTLE	GITTEL
GLAD	GLADYS
GLADDIE	GLADYS
GLADINE	GLADYS
GLADIS	GLADYS
GLADWIN	GOODWIN
GLENDA	GLEN
GLENN	GLEN
GLENNA	GLEN
GLENNIE	GLEN
GLENNIS	GLEN
GLORIANNA	GLORIANA
GLORY	GLORIA

<b>Original Word</b>	<b>Replacement Word</b>
GLYNIS	GLEN
GLYNN	GLEN
GODDERD	GODDARD
GODDORD	GODDARD
GODFREY	GEOFFREY
GODWIN	GOODWIN
GOLDY	GOLDIE
GRACIA	GRACE
GRACIE	GRACE
GRACYE	GRACE
GRAEME	GRAHAM
GRAY	GRAYSON
GREDEL	MARGARET
GREG	GREGORY
GREGGORY	GREGORY
GRETA	MARGARET
GRETCHEN	MARGARET
GREY	GRAYSON
GREYSON	GRAYSON
GRIFF	GRIFFITH
GRIFFIN	GRIFFITH
GRISSEL	GRISELDA
GUENEVERE	GUINEVERE
GUIDO	GUY
GUNAR	GUNTHER
GUNTAR	GUNTHER
GUNTER	GUNTHER
GUNTHAR	GUNTHER

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<b>Original Word</b>	<b>Replacement Word</b>
GUSSIE	GUS
GUSTA	GUS
GUSTAF	GUS
GUSTANE	GUS
GUSTAVE	GUS
GUSTAVO	GUS
GUSTAVUS	GUS
GUSTIN	GUS
GUYON	GUY
GWEN	GWENDOLEN
GWENDOLYN	GWENDOLEN
GWENN	GWENDOLEN
GWYN	GWENDOLEN
GWYNETH	GWENDOLEN
HADEN	HADDEN
HADRIAN	ADRIAN
HAGGAR	HAGAR
HAL	HENRY
HALDANE	HALDEN
HALSY	HALDSEY
HAM	GRAHAM
HAMISH	JAMES
HAMLIN	HENRY
HANK	HENRY
HANLEIGH	HANLEY
HANS	JOHN
HARALD	HAROLD
HARBERT	HERBERT

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<b>Original Word</b>	<b>Replacement Word</b>
HARDEN	HARLEY
HARL	HARLEY
HARLEIGH	HARLEY
HARMAN	HERMAN
HARMON	HERMAN
HARRIETTA	HARRIET
HARRIETTE	HARRIET
HARROD	HAROD
HARRY	HAROLD
HART	HARLEY
HARTLEY	HARLEY
HARV	HARVEY
HARVE	HARVEY
HARWELL	HARTWELL
HARWILL	HARTWELL
HATTI	HARRIET
HATTIE	HARRIET
HATTY	HARRIET
HAYNES	HAINES
HEATH	HEATHER
HECK	HECTOR
HEDDY	HEDDA
HEDI	HEDWIG
HEDVIG	HEDWIG
HEDY	HEDDA
HEIDI	HILDA
HEINRICK	HENRY
HELENA	HELEN

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<b>Original Word</b>	<b>Replacement Word</b>
HELENE	HELEN
HELLENE	HELEN
HELOISE	LOUISE
HEN	HENRY
HENDRICK	HENRY
HENDRIK	HENRY
HENLEIGH	HANLEY
HENLEY	HANLEY
HENNI	HENRIETTA
HENNIE	HENRIETTA
HENRI	HENRY
HENRIETTE	HENRIETTA
HENRIKA	HENRIETTA
HEPSIBA	HEPHZIBAH
HEPSIBAH	HEPHZIBAH
HEPSIBETHA	HEPHZIBAH
HERALD	HAROLD
HERB	HERBERT
HERBIE	HERBERT
HERELD	HAROLD
HERM	HERMAN
HERMIE	HERMAN
HERMON	HERMAN
HERNANDO	FERDINAND
HEROD	HERROD
HEROLD	HAROLD
HERRICK	HAROLD
HERTA	HERTHA

<b>Original Word</b>	<b>Replacement Word</b>
HERV	HARVEY
HERVE	HARVEY
HERVEY	HARVEY
HESKETH	HEZEKIAH
HETTI	HESTER
HETTIE	HESTER
HETTY	HESTER
HEWE	HUGH
HIATT	HYATT
HILAIRE	HILARY
HILDAGARD	HILDA
HILDAGARDE	HILDA
HILDE	HILDA
HILDEGARD	HILDA
HILDIE	HILDA
HILDY	HILDA
HILLAREY	HILARY
HILLARY	HILARY
HOBART	HUBERT
HOLLIE	HOLLY
HONEY	HONORA
HONORIA	HONORA
HORATION	HORACE
HORATIUS	HORACE
HORTENSA	HORTENSE
HOWIE	HOWARD
HOYT	HUBERT
HUBBARD	HUBERT

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<b>Original Word</b>	<b>Replacement Word</b>
HUBIE	HUBERT
HUEY	HUGH
HUGHES	HUGH
HUGHIE	HUGH
HUGO	HUGH
HUMFREY	HUMPHREY
HUNTLEY	HUNTER
HY	HYMAN
HYMEN	HYMAN
HYMIE	HYMAN
IAN	JOHN
IDALLA	IDA
IDELLE	IDA
IGGY	IGNATIUS
IGNACE	IGNATIUS
IGNATIA	IGNACIA
IGNATZ	IGNATIUS
IGNATZIA	IGNACIA
ILENE	AILEEN
ILINE	AILEEN
ILLENE	AILEEN
ILLONA	AILEEN
IMMANUEL	EMMANUEL
IMOGEN	IMOGENE
INA	KATHERINE
INES	INEZ
INGA	INGRID
INGE	IGOR

<b>Original Word</b>	<b>Replacement Word</b>
INGEBORG	INGRID
INGMAR	IGOR
INGRAHAM	INGRAM
INGRED	INGRID
INNIS	INNESS
IONE	IONA
IONIA	IONA
IRENA	IRENE
IRINA	IRENE
IRME	IRMA
IRMINA	IRMA
IRMINE	IRMA
IRV	IRVIN
IRVING	IRVIN
IRWIN	IRVIN
ISABELLA	ISABEL
ISABELLE	ISABEL
ISADOR	ISIDORE
ISADORE	ISIDORE
ISBEL	ISABEL
ISIDOR	ISIDORE
ISIDORA	ISDORA
ISOBEL	ISABEL
ISOLDA	ISOLDE
ISSY	ISIDORE
IVA	IVAH
IVAN	JOHN
IVAR	YVES

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<b>Original Word</b>	<b>Replacement Word</b>
IVER	YVES
IVES	YVES
IVO	YVES
IVON	YVES
IVONNE	YVONNE
IVOR	YVES
IZ	ISRAEL
IZZY	ISRAEL
JABE	JABEZ
JACENTA	JACINDA
JACK	JOHN
JACOB	JAMES
JACQUES	JAMES
JADAH	JADA
JADDA	JADA
JAKE	JAMES
JAKIE	JAMES
JAMESY	JAMES
JAMIE	JAMES
JAN	JOHN
JANET	JANE
JANETTE	JANE
JANEY	JANE
JANICE	JANE
JANNA	JANE
JARET	GARETT
JARV	GERVASE
JARVEY	GERVASE

<b>Original Word</b>	<b>Replacement Word</b>
JARVIS	GERVASE
JARY	GARETT
JASMIN	JASMINE
JASMINA	JASMINE
JEAN	JOHN
JEANETTE	JANE
JEANIE	JANE
JEANNINE	JANE
JED	JEDEDIAH
JEDDY	JEDEDIAH
JEDIDIAH	JEDEDIAH
JEFEREY	GEOFFREY
JEFF	GEOFFREY
JEFFERS	GEOFFREY
JEFFREY	GEOFFREY
JEGGAR	JEGAR
JEGGER	JEGAR
JEM	JAMES
JEMIMA	JEMIMAH
JEMMIE	JAMES
JEMMIMA	JEMIMAH
JEMMY	JAMES
JEN	GUINEVERE
JENNI	GUINEVERE
JENNIE	GUINEVERE
JENNIFER	GUINEVERE
JENNY	GUINEVERE
JER	GERALD

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<b>Original Word</b>	<b>Replacement Word</b>
JERALDINE	GERALDINE
JERELD	GERALD
JEREMIAH	JEREMY
JEREMIAS	JEREMY
JEROLD	GERALD
JERRI	GERALDINE
JERRIE	GERALDINE
JERROLD	GERALD
JERRY	GERALD
JERVIS	GERVASE
JESS	JESSICA
JESSE	JESSICA
JESSI	JESSICA
JESSIE	JESSICA
JESSY	JESSICA
JETH	JETHRO
JEVON	JOHN
JILL	JULIE
JIM	JAMES
JIMMIE	JAMES
JIMMY	JAMES
JINNY	VIRGINIA
JO	JOSEPHINE
JOAN	JANE
JOANA	JANE
JOANIE	JANE
JOANNA	JANE
JOBYNA	JOBINA

<b>Original Word</b>	<b>Replacement Word</b>
JOCELIN	LYNN
JOCELYN	LYNN
JOCK	JOHN
JOCKO	JAMES
JODIE	JUDITH
JODY	JUDITH
JOE	JOSEPH
JOEY	JOSEPH
JOHAN	JOHN
JOHANN	JOHN
JOHANNA	JANE
JOHNNIE	JOHN
JOHNNY	JOHN
JOLIET	JULIE
JON	JOHN
JONAH	JONAS
JONE	JONAS
JONIE	JANE
JONNIE	JOHN
JONNY	JOHN
JORGE	GEORGE
JOS	JOSEPH
JOSE	JOSEPH
JOSEPHINA	JOSEPHINE
JOSH	JOSHUA
JOSIE	JOSEPHINE
JOSLYN	LYNN
JUAN	JOHN

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<b>Original Word</b>	<b>Replacement Word</b>
JUANA	JANE
JUANITA	JANE
JUDITHA	JUDITH
JUDY	JUDITH
JULE	JULIE
JULES	JULIE
JULEY	JULIE
JULIA	JULIE
JULIAN	JULIE
JULIANA	JULIE
JULIANE	JULIE
JULIET	JULIE
JULIETTA	JULIE
JULIETTE	JULIE
JULIUS	JULIE
JUN	JUNIUS
JUNIE	JUNIUS
JURGEN	GEORGE
JUST	JUSTIN
JUSTINA	JUSTINE
JUSTUS	JUSTIN
KARA	KATHERINE
KAREN	KATHERINE
KARENA	KATHERINE
KARIN	KATHERINE
KARL	CHARLES
KARLA	CARLA
KARLY	CARLA

<b>Original Word</b>	<b>Replacement Word</b>
KAROL	CAROL
KAROLE	CAROL
KAROLINA	CAROL
KAROLINE	CAROL
KAROLYN	CAROL
KARYN	KATHERINE
KASPAR	JASPER
KATE	KATHERINE
KATHARINA	KATHERINE
KATHARINE	KATHERINE
KATHERIN	KATHERINE
KATHIE	KATHERINE
KATHLEEN	KATHERINE
KATHLENE	KATHERINE
KATHRINA	KATHERINE
KATHRYN	KATHERINE
KATHY	KATHERINE
KATIE	KATHERINE
KAVAN	CAVAN
KAYNE	KANE
KAZIMIR	CASIMIR
KELCEY	KELSEY
KEMBLE	KIMBALL
KEN	KENNETH
KENDAL	KENDALL
KENDRICKS	KENDRICK
KENLEIGH	KENLEY
KENNET	KENNETH

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<b>Original Word</b>	<b>Replacement Word</b>
KENNY	KENNETH
KENRIC	KENDRICK
KENT	KENNETH
KERBY	KIRBY
KERK	KIRK
KERR	KIRBY
KERRIE	KIRBY
KERRIN	KIRBY
KERRY	KIRBY
KERWIN	KIRBY
KESTER	CHRIS
KETTI	KATHERINE
KEV	KEVIN
KIERAN	KIRBY
KILE	KYLE
KIM	KIMBALL
KIMBLE	KIMBALL
KIRBEE	KIRBY
KIRBIE	KIRBY
KIRWIN	KERWIN
KIT	CHRIS
KITTIE	KATHERINE
KITTY	KATHERINE
KLAUS	NICHOLAS
KONRAD	CONRAD
KORAL	CORAL
KRIS	CHRIS
KRISS	CHRIS

<b>Original Word</b>	<b>Replacement Word</b>
KRISTIAN	CHRIS
KRISTIANA	CHRIS
KRISTIN	CHRIS
KRISTINA	CHRIS
KRISTINE	CHRIS
KURT	CURTIS
KYNAN	CONAL
LAINE	ELAINE
LAM	LAMBERT
LAMOND	LAMONT
LANA	ALANA
LANCELOT	LANCE
LANCEY	LANCE
LANE	ALANA
LANGDON	LANDON
LANGSTON	LANDON
LANI	ELAINE
LARAINÉ	LORRAINE
LARI	LAURA
LARRY	LAWRENCE
LARS	LAWRENCE
LARSSON	LARSON
LARZ	LAWRENCE
LATHROPE	LATHROP
LAUGHTON	LAWTON
LAUNCE	LANCE
LAUNCELOT	LANCE
LAUREEN	LAURA

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<b>Original Word</b>	<b>Replacement Word</b>
LAUREL	LAURA
LAUREN	LAWRENCE
LAURENCE	LAWRENCE
LAURENT	LAWRENCE
LAURETTE	LAURA
LAURIE	LAWRENCE
LAVERNA	VERNA
LAVERNE	VERNA
LAVINA	LAVINIA
LAZAR	ELEAZAR
LAZARUS	ELEAZAR
LEA	LEE
LECTRA	ELECTRA
LEDA	ALIDA
LEELA	LEILA
LEELAND	LELAND
LEICESTER	LESTER
LEIGH	LEE
LEILAH	LEILA
LELA	LILLIAN
LELAH	LILLIAN
LELIA	LILLIAN
LEM	LEMUEL
LEN	LEE
LENA	HELEN
LENNI	HELEN
LENNIE	LEE
LENNY	LEE

<b>Original Word</b>	<b>Replacement Word</b>
LENORE	HELEN
LEO	LEE
LEOLA	LEONA
LEON	LEE
LEONARD	LEE
LEONARDO	LEE
LEONE	LEONA
LEONI	LEONA
LEONIE	LEONA
LEONORE	HELEN
LEONTYNE	LEONTINE
LEOPOLD	LEE
LEORA	HELEN
LEPP	LEE
LEROY	ELROY
LES	LESLEY
LESLI	LESLEY
LESLIE	LESLEY
LESLY	LESLEY
LETA	LETITIA
LETICIA	LETITIA
LETTA	ALETHEA
LETTIE	LETITIA
LETTY	CHARLOTTE
LEW	LEWIS
LEWES	LEWIS
LEX	ALEX
LIANA	LEANNE

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<b>Original Word</b>	<b>Replacement Word</b>
LIANNE	LEANNE
LIBBY	ELIZABETH
LIDA	ALIDA
LIL	LILLIAN
LILA	LILLIAN
LILAH	LILLIAN
LILIA	LILLIAN
LILIAN	LILLIAN
LILIS	LILLITH
LILITH	LILLITH
LILLA	LILLIAN
LILLI	LILLIAN
LILLIBEL	LILLIAN
LILLIE	LILLIAN
LILLY	LILLIAN
LILY	LILLIAN
LILYAN	LILLIAN
LILYBELL	LILLIAN
LILYBELLE	LILLIAN
LINA	CAROL
LINC	LINCOLN
LIND	LINDA
LINDIE	LINDA
LONDON	LYNDON
LINDY	LINDA
LINK	LINCOLN
LINN	LYNN
LION	LEE

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<b>Original Word</b>	<b>Replacement Word</b>
LIONEL	LEE
LIRIS	LYRIS
LISA	ELIZABETH
LISABET	ELIZABETH
LISABETH	ELIZABETH
LISBETH	ELIZABETH
LISLE	LYLE
LIVA	OLIVIA
LIVI	OLIVIA
LIVIA	OLIVIA
LIVVI	OLIVIA
LIZ	ELIZABETH
LIZA	ELIZABETH
LIZZIE	ELIZABETH
LIZZY	ELIZABETH
LODIE	MELODY
LOIS	ALOYSIA
LOLETA	LOLA
LOLITA	LOLA
LON	ALPHONSE
LONNY	ZEBULON
LORA	LAURA
LORAINÉ	LORRAINE
LORALIE	LAURA
LOREDO	LORING
LOREE	LAURA
LORELIE	LAURA
LOREN	LAWRENCE

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<b>Original Word</b>	<b>Replacement Word</b>
LORENZ	LAWRENCE
LORENZO	LAWRENCE
LORETTA	LAURA
LORETTE	LAURA
LORI	LAURA
LORIE	LAURA
LORIN	LAWRENCE
LORINDA	LAURA
LORINE	HELEN
LORNA	LAURA
LORNE	LAURA
LORRIE	LAURA
LORRY	LAWRENCE
LOTHAIR	LUTHER
LOTHAR	LUTHER
LOTHARIO	LUTHER
LOTTA	CHARLOTTE
LOTTE	CHARLOTTE
LOTTIE	CHARLOTTE
LOTTY	CHARLOTTE
LOU	LOUISE
LOUIE	LEWIS
LOUIS	LEWIS
LOUISA	LOUISE
LOVEL	LOWELL
LOVELL	LOWELL
LOYCE	LOUISE
LU	LUCY

<b>Original Word</b>	<b>Replacement Word</b>
LUCAS	LUCIUS
LUCE	LUCIUS
LUCIA	LUCY
LUCIAN	LUCIUS
LUCIE	LUCY
LUCILLA	LUCY
LUCILLE	LUCY
LUCINDA	LUCY
LUCRETIA	LUCY
LUDOVICK	LEWIS
LUDVIG	LEWIS
LUIGI	LEWIS
LUIS	LEWIS
LUKE	LUCIUS
LUKEV	LUCIUS
LULU	LUCY
LYN	LYNN
LYND	LINDA
LYNDA	LINDA
LYNNA	LYNN
LYNNE	LYNN
LYON	LEE
MADA	MADLINE
MADDIE	MADLINE
MADDIS	MATTHEW
MADDOX	MADDOCK
MADELEINE	MADLINE
MADELENE	MADLINE

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<b>Original Word</b>	<b>Replacement Word</b>
MADOLON	MADELINE
MADEN	MATTHEW
MADGE	MARGARET
MADID	MADELINE
MADOC	MADDOCK
MAE	MAY
MAG	MARGARET
MAGDA	MADELINE
MAGDALEN	MADELINE
MAGGIE	MARGARET
MAIDY	MAIDA
MAISIE	MARGARET
MAL	MALVIN
MALAN	MELANIE
MALVINA	MELVINA
MAMIE	MARY
MANDA	AMANDA
MANDIE	AMANDA
MANDY	AMANDA
MANNY	EMMANUEL
MANON	MARY
MANUEL	EMMANUEL
MAPH	DAPHNE
MARA	MARY
MARC	MARK
MARCEL	MARK
MARCELLA	MARCIA
MARCH	MARK

<b>Original Word</b>	<b>Replacement Word</b>
MARCIE	MARCIA
MARCO	MARK
MARCUS	MARK
MARCY	MARCIA
MAREK	MARK
MARGARITA	MARGARET
MARGE	MARGARET
MARGERY	MARGARET
MARGIE	MARGARET
MARGO	MARGARET
MARGOT	MARGARET
MARI	MARY
MARIA	MARY
MARIAM	MARY
MARIAN	MARY
MARIE	MARY
MARIETTA	MARY
MARIETTE	MARY
MARIGOLD	MARIGOLDE
MARILYN	MARY
MARION	MARY
MARISA	MARIS
MARITA	MAURITA
MARJORIE	MARGARET
MARL	MERLIN
MARLA	MARY
MARLEEN	MADELINE
MARLEN	MERLIN

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<b>Original Word</b>	<b>Replacement Word</b>
MARLENE	MADELINE
MARLIN	MERLIN
MARLINE	MADELINE
MARLON	MERLIN
MARRAS	MARIS
MARRIS	MARIS
MARS	MARK
MARSH	MARSHALL
MARSHA	MARCIA
MARSHAL	MARSHALL
MARTA	MARTHA
MARTEENA	MARTINA
MARTELLA	MARTHA
MARTHE	MARTHA
MARTI	MARTINA
MARTIE	MARTHA
MARTIN	MARK
MARTINE	MARTINA
MARTY	MARK
MARTYN	MARK
MARV	IRVIN
MARVELLA	MARVA
MARVIN	IRVIN
MARYA	MARY
MAT	MATTHEW
MATHIAS	MATTHEW
MATT	MATTHEW
MATTHIAS	MATTHEW

<b>Original Word</b>	<b>Replacement Word</b>
MATTI	MATHILDA
MATTIE	MARTHA
MATTY	MATTHEW
MAUD	MATHILDA
MAUDE	MATHILDA
MAUREEN	MARY
MAURETTA	MAURITA
MAUREY	MURRAY
MAURI	MAURITA
MAURICE	MURRAY
MAURY	MURRAY
MAX	MAXIMILLIAN
MAXEY	MAXIMILLIAN
MAXIE	MAXIMILLIAN
MAXIM	MAXIMILLIAN
MAYBELLE	MABEL
MAYER	MEYER
MEAGAN	MEGAN
MEAGHAN	MEGAN
MEG	MARGARET
MEGHAN	MEGAN
MEHITABEL	METHETABEL
MEL	MELISSA
MELAN	MELANIE
MELANIA	MELANIE
MELBA	MELVINA
MELICENT	MILLICENT
MELIE	AMELIA

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<b>Original Word</b>	<b>Replacement Word</b>
MELINA	MELANIE
MELISA	MELISSA
MELL	AMELIA
MELLIE	MELANIE
MELLY	MELANIE
MELODIE	MELODY
MELONEY	MELANIE
MELVIN	MALVIN
MENA	PHILOMENA
MERCI	MERCEDES
MERCY	MERCEDES
MERI	MERRIE
MERIDITH	MEREDITH
MERIEL	MURIEL
MERL	MERLIN
MERLA	MERLE
MERRI	MERRITT
MERRICK	EMORY
MERRILL	MYRON
MERT	MYRTLE
MERTA	MYRTLE
MERV	IRVIN
MERVIN	IRVIN
MERWIN	IRVIN
MERYL	MERLE
METABEL	METHETABEL
MICKEY	MICHAEL
MIKE	MICHAEL

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<b>Original Word</b>	<b>Replacement Word</b>
MILICENT	MILLICENT
MILL	AMELIA
MILLI	MILDRED
MILLIE	MILDRED
MILLY	CAMILLA
MILT	MILTON
MIMI	MARY
MIN	MINNA
MINA	WILHELMINA
MINETTE	MARY
MINI	MINNA
MINNIE	MINNA
MINNY	MINNA
MIRA	MIRABEL
MIRABELLE	MIRABEL
MIRI	MIRANDA
MIRIAM	MARY
MITCH	MICHAEL
MITCHELL	MICHAEL
MITZI	MARY
MITZIE	MARY
MODESTE	MODESTA
MOE	MOSES
MOIRA	MARY
MOLL	MARY
MOLLIE	MARY
MOLLY	MARY
MONIQUE	MONICA

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<b>Original Word</b>	<b>Replacement Word</b>
MONTAGU	MONTAGUE
MONTE	MONTAGUE
MONTY	MONTGOMERY
MOREL	MURRAY
MORENE	MARY
MORICE	MURRAY
MORRIS	MURRAY
MORRY	MURRAY
MORT	MORTIMER
MORTIE	MORTIMER
MORTY	MORTIMER
MOSE	MOSES
MOSS	MOSES
MUNRO	MONROE
MUR	MURIEL
MURDOCK	MURDOCH
MURIELLE	MURIEL
MURREY	MURRAY
MURRY	MURRAY
MURTAGH	MURDOCH
MYRNA	MORNA
MYRT	MYRTLE
MYRTA	MYRTLE
NADA	NADINE
NADIA	NADINE
NAN	ANN
NANA	ANN
NANCY	ANN

<b>Original Word</b>	<b>Replacement Word</b>
NANETE	ANN
NANETTE	ANN
NANINE	ANN
NANON	ANN
NARA	NARDA
NAT	NATALIE
NATALA	NATALIE
NATALE	NATALIE
NATALEE	NATALIE
NATALIA	NATALIE
NATASHA	NATALIE
NATE	NATHANIEL
NATHALIE	NATALIE
NATHAN	NATHANIEL
NATHANAEL	NATHANIEL
NATICA	NATALIE
NATIE	NATHANIEL
NATIKA	NATALIE
NATTIE	NATALIE
NATTY	NATHANIEL
NEAL	CORNELIUS
NEALE	CORNELIUS
NEALEY	CORNELIUS
NED	ED
NEDDA	NEDA
NEDDY	ED
NEDI	NEDA
NEIL	CORNELIUS

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<b>Original Word</b>	<b>Replacement Word</b>
NEILSON	CORNELIUS
NELIA	CORNELIA
NELL	CORNELIA
NELLIE	HELEN
NELLY	HELEN
NELSON	CORNELIUS
NEREEN	NERINE
NERIN	NERINE
NERINA	NERINE
NERITA	NERISSA
NERNADINA	BERNADINE
NESSA	AGNES
NESSIE	AGNES
NESSIM	NESTOR
NETTA	NATALIE
NETTIE	NATALIE
NETTY	NATALIE
NEV	NEVILLE
NEVIL	NEVILLE
NEVINS	NEVIN
NEWEL	NOEL
NEWELL	NOEL
NEYSA	AGNES
NIC	DOMINIC
NICHOL	NICHOLAS
NICHOLL	NICHOLAS
NICK	NICHOLAS
NICKY	NICHOLAS

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<b>Original Word</b>	<b>Replacement Word</b>
NICOLA	NICOLE
NICOLAS	NICHOLAS
NICOLETTA	NICOLE
NICOLETTE	NICOLE
NIKI	NICOLE
NIKKI	NICOLE
NIKOLA	NICOLE
NILES	NICHOLAS
NINA	ANN
NINETTE	ANN
NINON	ANN
NOBEL	NOBLE
NOELLA	NOEL
NOELLE	NOEL
NOLAN	NOBLE
NOLITA	OLIVIA
NOLL	OLIVER
NOLLIE	OLIVER
NOLLY	OLIVER
NOMI	NAOMI
NONIE	NONA
NONNA	NONA
NORA	HELEN
NORAH	HONORA
NOREEN	HONORA
NORINE	HONORA
NORM	NORMAN
NORMAND	NORMAN

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<b>Original Word</b>	<b>Replacement Word</b>
NORMI	NORMA
NORMIE	NORMA
NORRIE	HONORA
NORRIS	NORMAN
NORTY	NORTON
NORWOOD	NORWARD
NORWORD	NORWARD
OBE	OBADIAH
OCTAVE	OCTAVIUS
OCTAVIAN	OCTAVIUS
OCTAVUS	OCTAVIUS
ODEL	ODELE
ODELET	ODELE
ODELL	ODELE
ODELLA	ODELIA
ODET	ODETTE
ODETTA	ODETTE
ODILE	ODELIA
ODIN	ODELE
ODO	ODELE
OLEN	OLAF
OLIVE	OLIVIA
OLIVIER	OLIVER
OLLI	OLIVIA
OLLIE	OLIVER
ONA	UNA
ONDINE	UNDINE
OONA	UNA

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<b>Original Word</b>	<b>Replacement Word</b>
ORA	AURELIA
ORABEL	ORIBEL
ORABELLE	ORIBEL
ORALIA	AURELIA
ORALIE	AURELIA
OREL	AURELIA
ORI	ORIBEL
ORIBELLE	ORIBEL
ORIEL	ORIOLE
ORIN	OREN
ORLANDO	ROLAND
ORLENE	ORLENA
ORLINA	ORLENA
ORMAN	ORMOND
ORMAND	ORMOND
ORRIN	OREN
ORSINI	ORSON
ORSINO	ORSON
ORVIL	ORVILLE
OS	OSWALD
OSBORNE	OSBORN
OSBOURNE	OSBORN
OSMAND	OSMOND
OSMUND	OSMOND
OTILA	OTTILIE
OTTI	OTTILIE
OTTIE	OTTILIE
OTTILLIA	OTTILIE

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<b>Original Word</b>	<b>Replacement Word</b>
OWAIN	OWEN
OZ	OSWALD
OZZIE	OSCAR
PACKSTON	PAXTON
PADDY	PAT
PADRAIC	PAT
PAIGE	PAGE
PALEY	PAUL
PAM	PAMELA
PAMMY	PAMELA
PANSIE	PANSY
PARKE	PARK
PARNELL	PETER
PATRIC	PAT
PATRICE	PAT
PATRICIA	PAT
PATRICK	PAT
PATSY	PAT
PATTI	PAT
PATTY	PAT
PAULETTE	PAULA
PAULI	PAULA
PAULIE	PAULA
PAULINA	PAULA
PAULINE	PAULA
PAULITA	PAULA
PAXON	PAXTON
PAYNE	PAINE

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<b>Original Word</b>	<b>Replacement Word</b>
PEARCE	PETER
PEARLE	PEARL
PEARSON	PIERSON
PEDRO	PETER
PEERSON	PIERSON
PEG	MARGARET
PEGGY	MARGARET
PEITRO	PETER
PEN	PENELOPE
PENNIE	PENELOPE
PENNY	PENELOPE
PEONIE	PEONY
PEPI	PEPITA
PERCE	PERCIVAL
PERCEVAL	PERCIVAL
PERCY	PERCIVAL
PEREGRINE	PERRY
PERL	PEARL
PERLIE	PEARL
PERNELL	PETER
PERNELLA	PARNELLA
PERR	PERRY
PERRIN	PETER
PET	PETRA
PETA	PETRA
PETE	PETER
PETEY	PETER
PETI	PETRA

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<b>Original Word</b>	<b>Replacement Word</b>
PETIE	PETER
PETRIE	PETER
PETRINA	PETRA
PETRINE	PETRA
PETTA	PETRA
PETULAH	PETULA
PEYTON	PAT
PHEBE	PHILOMENA
PHELPS	PHILIP
PHENICA	PHENICE
PHENICIA	PHENICE
PHIL	PHILIP
PHILINA	PHILANA
PHILINE	PHILANA
PHILIPA	PHILIPPA
PHILIPPE	PHILIPPA
PHILIS	PHYLLIS
PHILLANE	PHILANA
PHILLIS	PHYLLIS
PHOEBE	PHILOMENA
PHYL	PHYLLIS
PHYLIS	PHYLLIS
PIERCE	PETER
PIERRE	PETER
PIPPA	PHILIPPA
PIPPIN	PERRY
POL	PAULA
POLL	PAULA

<b>Original Word</b>	<b>Replacement Word</b>
POLLIE	PAULA
POLLY	PAULA
PORCIA	PORTIA
PRENTISS	PRENTICE
PRIMROSE	ROSE
PRIS	PRISCILLA
PRISILLA	PRISCILLA
PRISSIE	PRISCILLA
PRISSY	PRISCILLA
PROCTER	PROCTOR
PRU	PRUDENCE
PRUD	PRUDENCE
PRUDI	PRUDENCE
PRUDIE	PRUDENCE
PRUDY	PRUDENCE
PRYOR	PRIOR
PURCELL	PERCIVAL
QUEENIE	REGINA
QUENT	QUENTIN
QUILL	QUILLON
QUINN	CONAL
QUINT	QUENTIN
QUINTIN	QUENTIN
QUINTINA	QUINTA
RAB	ROBERT
RACE	HORACE
RACHELE	RACHEL
RACHELLE	RACHEL

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<b>Original Word</b>	<b>Replacement Word</b>
RADBOURNE	RADBURN
RADBURNE	RADBURN
RAE	RACHEL
RAFAEL	RAPHAEL
RAFAELA	RAPHAELA
RAFF	RAPHAEL
RAFFAELLO	RAPHAEL
RALFSTON	RALSTON
RALPH	RANDOLPH
RAMA	MONA
RAMON	REGINALD
RAMONA	MONA
RAN	FARAND
RAND	RANDOLPH
RANDAL	RANDOLPH
RANDALL	RANDOLPH
RANDIE	MIRANDA
RANDY	RANDOLPH
RANI	RANA
RANIA	RANA
RAWSON	RAWLING
RAY	REGINALD
RAYMOND	REGINALD
RAYMUND	REGINALD
REBA	REBECCA
REBAH	REBBA
REBEKAH	REBECCA
REED	READE

<b>Original Word</b>	<b>Replacement Word</b>
REG	REGINALD
REGAN	REGINA
REGGIE	REGINA
REGINE	REGINA
REID	READE
REINHOLD	REGINALD
RENA	IRENE
RENATA	RENEE
RENE	IRENE
RENI	RENEE
RENNIE	RENEE
RENNY	IRENE
REYNOLD	REGINALD
RHODIA	ROSE
RIBA	REBECCA
RICA	ULRICA
RICARDO	RICHARD
RICH	RICHARD
RICHIE	RICHARD
RICK	ERIC
RICKY	RICHARD
RIKA	ERICA
RIKI	ERICA
RINALDO	REGINALD
RITA	MAURITA
RITCH	RICHARD
RITCHIE	RICHARD
RIVA	REBECCA

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<b>Original Word</b>	<b>Replacement Word</b>
RO	ROLANDA
ROB	ROBERT
ROBBI	ROBERTA
ROBBIE	ROBERT
ROBBY	ROBERT
ROBERTO	ROBERT
ROBI	ROBERTA
ROBIN	ROBERT
ROBINA	ROBERTA
ROCHELLE	RACHEL
RODDIE	ROD
RODDY	ROD
RODERIC	ROD
RODERICK	ROD
RODI	ROD
RODIE	RHODA
RODMAN	ROD
RODMANN	ROD
RODNEY	ROD
RODRICK	ROD
ROLA	ROLANDA
ROLEY	ROLAND
ROLF	RANDOLPH
ROLFE	RANDOLPH
ROLISTON	RALSTON
ROLLIN	ROLAND
ROLLO	ROLAND
ROLPH	RUDOLPH

<b>Original Word</b>	<b>Replacement Word</b>
ROLSTON	RALSTON
RON	REGINALD
RONA	RONDALDA
RONALD	REGINALD
RONNIE	VERONICA
RONNY	VERONICA
RORIE	ROD
RORRY	ROD
RORY	ROD
ROS	ROSWELL
ROSA	ROSE
ROSABEL	ROSE
ROSABELLA	ROSE
ROSALEEN	ROSE
ROSALIA	ROSE
ROSALIE	ROSE
ROSALIND	ROSE
ROSALINDE	ROSE
ROSALLE	ROSE
ROSALYN	ROSE
ROSAMOND	ROSE
ROSAMUND	ROSE
ROSANN	ROSE
ROSANNA	ROSE
ROSANNE	ROSE
ROSEL	ROSE
ROSELLA	ROSE
ROSELLE	ROSE

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<b>Original Word</b>	<b>Replacement Word</b>
ROSELYN	ROSE
ROSEMARIE	ROSE
ROSEMARY	ROSE
ROSENA	ROSE
ROSENE	ROSE
ROSETTA	ROSE
ROSETTE	ROSE
ROSIE	ROSE
ROSINA	ROSE
ROSITA	ROSE
ROSLYN	ROSE
ROWLAND	ROLAND
ROX	ROXANE
ROXANA	ROXANE
ROXANNA	ROXANE
ROXANNE	ROXANE
ROXIE	ROXANE
ROXY	ROXANE
ROY	ELROY
ROZ	ROSWELL
ROZALIE	ROSE
ROZINA	ROSE
RUBE	REUBEN
RUBEN	REUBEN
RUBERTA	ROBERTA
RUBETTA	RUBY
RUDOLF	RUDOLPH
RUDY	RUDOLPH

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<b>Original Word</b>	<b>Replacement Word</b>
RUFE	GRIFFITH
RUFUS	GRIFFITH
RUIAS	URIAH
RUPERT	ROBERT
RUPERTA	ROBERTA
RUSS	RUSSELL
RUSSEL	RUSSELL
RUTHERFURD	RUTHERFORD
RUTHIE	RUTH
RYDER	RIDER
SABINE	SABINA
SADIE	SARAH
SADYE	SARAH
SAL	SALVADOR
SALENE	SELENA
SALLIE	SARAH
SALLY	SARAH
SAMANTHA	SAM
SAMELLA	SAM
SAMMY	SAM
SAMPSON	SAM
SAMSON	SAM
SAMUEL	SAM
SAMUELA	SAM
SAMUELIA	SAM
SANBORNE	SANBORN
SANBURN	SANBORN
SANDERS	ALEX

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<b>Original Word</b>	<b>Replacement Word</b>
SANDFORD	SANFORD
SANDI	ALEX
SANDOR	ALEX
SANDRA	ALEX
SANDY	ALEX
SARA	SARAH
SARENA	SARAH
SARENE	SARAH
SARETTA	SARAH
SARI	SARAH
SARITA	SARAH
SAUNDERS	ALEX
SAVINA	SABINA
SAXEN	SAXON
SCOT	SCOTT
SCOTTIE	SCOTT
SCOTTY	SCOTT
SEAMUS	JAMES
SEAN	JOHN
SEDGEWINN	SEDGEWICK
SELDA	GRISELDA
SELIG	ZELIG
SELMA	ANSELMA
SERA	SERAPHINE
SERAFINA	SERAPHINE
SEWEL	SEWELL
SEYMOUR	MURRAY
SHAMUS	JAMES

<b>Original Word</b>	<b>Replacement Word</b>
SHANE	JOHN
SHARA	SHARON
SHARI	SHARON
SHAWN	JOHN
SHEBA	BATHSHEBA
SHEILA	SHELLEY
SHEL	SHELDON
SHELBY	SELBY
SHELL	SHELLEY
SHELLY	SHELDON
SHELTON	SHELDON
SHEP	SHEPARD
SHEPHERD	SHEPARD
SHEPLY	SHEPLEY
SHEPP	SHEPARD
SHEPPARD	SHEPARD
SHERI	SHIRLEY
SHERM	SHERMAN
SHERRARD	SHERARD
SHERRY	CHERIE
SHERYL	SHIRLEY
SHIRL	SHIRLEY
SHIRLEE	SHIRLEY
SHIRLIE	SHIRLEY
SI	SIMON
SIB	SYBIL
SIBBIE	SYBIL
SIBBY	SYBIL

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<b>Original Word</b>	<b>Replacement Word</b>
SIBEL	SYBIL
SIBELL	SYBIL
SIBIE	SYBIL
SIBYL	SYBIL
SID	SIDNEY
SIDONIA	SIDNEY
SIDONIE	SIDNEY
SIEGFRIED	SIFFRID
SIL	PRISCILLA
SILVA	SYLVIA
SILVAN	SILAS
SILVANA	SYLVIA
SILVANUS	SILAS
SILVESTER	SILAS
SILVIA	SYLVIA
SIM	SAM
SIMEON	SIMON
SIMONETTA	SIMONE
SIMPSON	SAM
SIMSON	SAM
SOFIA	SOPHIA
SOL	SOLOMON
SOLLY	SOLOMON
SONDRA	ALEX
SONIA	SOPHIA
SONJA	SOPHIA
SONNY	TYSON
SONYA	SOPHIA

<b>Original Word</b>	<b>Replacement Word</b>
SOPH	SOPHIA
SOPHEY	SOPHIA
SOPHI	SOPHIA
SOPHIE	SOPHIA
SOPHY	SOPHIA
SPENCE	SPENCER
SPENSER	SPENCER
SPRAGE	SPRAGUE
STACEY	STACY
STAFFARD	STAFFORD
STAFORD	STAFFORD
STAN	STANLEY
STANLEIGH	STANLEY
STEFAN	STEPHEN
STEFANIE	STEPHANIE
STEFFEN	STEPHEN
STELLA	ESTELLE
STEPHANA	STEPHANIE
STEPHANIA	STEPHANIE
STEPHENIE	STEPHANIE
STEVE	STEPHEN
STEVEN	STEPHEN
STEVIE	STEPHEN
STEW	STEWARD
STIRLING	STERLING
STJEPAN	STEPHEN
STU	STEWARD
STUART	STEWARD

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<b>Original Word</b>	<b>Replacement Word</b>
SUE	SUSAN
SUSANA	SUSAN
SUSANNA	SUSAN
SUSANNAH	SUSAN
SUSI	SUSAN
SUSIE	SUSAN
SUSSANNE	SUSAN
SUSY	SUSAN
SUZANNA	SUSAN
SUZETTA	SUSAN
SUZIE	SUSAN
SUZY	SUSAN
SWAIN	SWAINE
SWANE	SWAINE
SYBYL	SYBIL
SYD	SIDNEY
SYDNEY	SIDNEY
SYL	SYLVIA
SYLVAN	SILAS
SYLVESTER	SILAS
SYLVIE	SYLVIA
TABBIE	TABITHA
TAD	THADDEUS
TAIT	TATE
TAITE	TATE
TALBOT	TALBOTT
TALLBOY	TALBOTT
TALLU	TALLULAH

<b>Original Word</b>	<b>Replacement Word</b>
TALLULA	TALLULAH
TAM	THOMAS
TAMA	TAMARA
TAMMANY	THOMAS
TAMMY	THOMAS
TANYA	TANIA
TAVEY	OCTAVIUS
TAVI	OCTAVIA
TAVIA	OCTAVIA
TED	THEODORE
TEDDI	THEODORA
TEDDIE	THEODORE
TEDDY	THEODORE
TEDRIC	THEODORIC
TEENA	MARTINA
TERRENCE	TERENCE
TERRY	TERENCE
TESS	TERESA
TESSA	TERESA
TESSIE	TERESA
THACHER	THATCHER
THACKERAY	THATCHER
THAD	THADDEUS
THAXTER	THATCHER
THEA	THEODORA
THEDA	THEODORA
THEO	THEODORE
THEOBALD	TYBALT

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<b>Original Word</b>	<b>Replacement Word</b>
THEODOSIA	THEODORA
THERESA	TERESA
THERESE	TERESA
THIA	ANTHEA
THIBAUT	TYBALT
THOM	THOMAS
THOMASA	THOMASINA
THOMASINE	THOMASINA
THORMAN	THURMAN
TILDA	MATHILDA
TILLIE	MATHILDA
TILLY	MATHILDA
TIM	TIMOTHY
TIMMIE	TIMOTHY
TINA	MARTINA
TIPPI	ZIPPORAH
TIPPIE	ZIPPORAH
TISH	LETITIA
TOBE	TOBIAS
TOBI	TOBEY
TOBIT	TOBIAS
TOBY	TOBIAS
TOINETTE	ANTONIA
TOM	THOMAS
TOMAS	THOMAS
TOMMY	THOMAS
TONI	ANTONIA
TONY	ANTHONY

<b>Original Word</b>	<b>Replacement Word</b>
TORIN	TERENCE
TORRANCE	TERENCE
TRACEY	TERESA
TRACY	TERESA
TRAVIS	TRAVERS
TRICIA	PAT
TRINA	KATHERINE
TRISH	PAT
TRIX	BEATRICE
TRIXIE	BEATRICE
TRUDE	GERTRUDE
TRUDY	GERTRUDE
TSIPROAH	ZIPPORAH
TUDOR	THEODORE
TY	TYSON
TYBALD	TYBALT
ULRIC	ALARIC
ULRICH	ALARIC
ULRICK	ALARIC
ULRIKA	ULRICA
URANIE	URANIA
URIA	URIAH
URIEL	URIAH
URSA	URSULA
URSEL	URSULA
URSI	URSULA
URSULETTE	URSULA
UTA	OTILIE

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<b>Original Word</b>	<b>Replacement Word</b>
UZZIEL	UZIEL
VACHIL	VACHEL
VAL	VALENTINA
VALE	VAIL
VALEDA	VELDA
VALENCIA	VALENTINA
VALENTE	VALENTINE
VALENTIA	VALENTINA
VALERIA	VALENTINA
VALERIE	VALENTINA
VALIANT	VALENTINE
VALLE	VAIL
VALLIE	VALENTINA
VALORA	VALENTINA
VAN	VANESSA
VANNI	VANESSA
VARECK	WARRICK
VARICK	WARRICK
VASHTA	VASHTI
VASTI	VASHTI
VAUGHN	VAUGHAN
VELMA	WILHELMINA
VERDIE	VERDA
VERGIL	VIRGIL
VERN	VERNON
VERNE	VERNON
VERNICE	VERNA
VERNITA	VERNA

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<b>Original Word</b>	<b>Replacement Word</b>
VI	VIVIAN
VICK	VIC
VICKI	VIC
VICKY	VIC
VICTOIR	VIC
VICTOR	VIC
VICTORIA	VIC
VICTORIE	VIC
VICTORINE	VIC
VIN	VINCENT
VINA	ALVINA
VINCE	VINCENT
VINE	VINNA
VINIA	LAVINIA
VINNY	GALVIN
VIOLA	VIOLET
VIOLETTA	VIOLET
VIOLETTE	VIOLET
VIONA	FIONNA
VIONNA	FIONNA
VIRG	VIRGIL
VIRGIE	VIRGIL
VIRGILIA	VIRGINIA
VIRGINIE	VIRGINIA
VIRGY	VIRGINIA
VITTORIO	VIC
VIV	VIVIAN
VIVI	VIVIAN

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<b>Original Word</b>	<b>Replacement Word</b>
VIVIA	VIVIAN
VIVIANE	VIVIAN
VIVIE	VIVIAN
VIVIEN	VIVIAN
VIVIENNE	VIVIAN
VLAD	VLADIMIR
VLADAMIR	VLADIMIR
VOLNY	VOLNEY
VON	YVONNE
VONN	VAUGHAN
VONNIE	YVONNE
VONNY	VERONICA
WAIN	WAYNE
WAINE	WAYNE
WALDEMAR	VLADIMIR
WALDIMAR	VLADIMIR
WALDO	VLADIMIR
WALLI	WALLACE
WALLIE	WALLACE
WALLIS	WALLACE
WALLY	WALLACE
WALSH	WALLACE
WALT	WALLACE
WALTER	WALLACE
WALTERS	WALLACE
WEB	WEBSTER
WEBB	WEBSTER
WELLESLEY	WESLEY

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<b>Original Word</b>	<b>Replacement Word</b>
WENDA	WANDA
WENDEL	WENDELL
WENDI	GWENDOLEN
WENDY	GWENDOLEN
WENONAH	WENONA
WES	WESLEY
WIATT	GUY
WIL	WILSON
WILBERT	GILBERT
WILBUR	GILBERT
WILFREDA	FREDA
WILFRID	WILFRED
WILHELM	WILLIAM
WILL	WILLIAM
WILLET	WILLIAM
WILLIS	WILLIAM
WILLY	WILLIAM
WILMA	WILHELMINA
WIN	WINSTON
WINA	EDWINA
WINFRED	WILIFRED
WINFRID	WILIFRED
WINN	ELWIN
WINNIE	EDWINA
WINNY	WINIFRED
WINONA	WENONA
WINTON	WINSTON
WLADIMIR	VLADIMIR

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<b>Original Word</b>	<b>Replacement Word</b>
WOODIE	WOODROW
WORD	WARD
WYATT	GUY
WYNE	WYNNE
WYNN	ELWIN
XENIA	XENA
XINA	CHRIS
YANCEY	YANCY
YASMINE	JASMINE
YOLANDA	YOLANDE
YORICK	YORK
YORKE	YORK
YVETTE	YVONNE
YVON	YVES
ZABRINE	ZABRINA
ZACH	ZACHARIAH
ZACHARIAS	ZACHARIAH
ZACHARY	ZACHARIAH
ZACK	ZACHARIAH
ZANE	JOHN
ZEB	ZEBADIAH
ZEBA	ZEBADA
ZEBE	ZEBADIAH
ZEBEDEE	ZEBADIAH
ZEENA	ZENA
ZEKE	EZEKIEL
ZELDA	GRISELDA
ZENIA	ZENA

<b>Original Word</b>	<b>Replacement Word</b>
ZEPH	ZEPHANIAH
ZERLA	ZERLINA
ZERLINE	ZERLINA
ZINA	ZINAH
ZIPPORA	ZIPPORAH
ZITA	TERESA
ZORAH	ZORA
ZORANA	ZORA
ZORINA	ZORA
ANDERSON	ANDERSEN
ANDERSSON	ANDERSEN
FREDERICKSEN	FREDERIKSEN
FREDERICKSON	FREDERIKSEN
FREDRICKSEN	FREDERIKSEN
FREDRICKSON	FREDERIKSEN
HANSON	HANSEN
HANSSON	HANSEN
JACABSIN	JACOBSON
JACOBSEN	JACOBSON
JACOBSSON	JACOBSON
JAKOBSEN	JACOBSON
JAKOBSON	JACOBSON
JENSON	JENSEN
JENSSON	JENSEN
JORGENSON	JORGENSEN
LARSEN	LARSON
SCHMID	SMITH
SCHMIDT	SMITH

<b>Original Word</b>	<b>Replacement Word</b>
SCHMITS	SMITH
SCHMITT	SMITH
SCHMITZ	SMITH

## STATE\_DICTIONARY

This table lists the original and replacement words for the STATE\_DICTIONARY word replacement list. This list is only for the states in the US.

<b>Original Word</b>	<b>Replacement Word</b>
AL	ALABAMA
AK	ALASKA
AZ	ARIZONA
AR	ARKANSAS
CA	CALIFORNIA
CO	COLORADO
CT	CONNECTICUT
DE	DELAWARE
DC	DISTRICT OF COLUMBIA
FL	FLORIDA
GA	GEORGIA
HI	HAWAII
ID	IDAHO
IL	ILLINOIS
IN	INDIANA
IA	IOWA
KS	KANSAS
KY	KENTUCKY
LA	LOUISIANA
ME	MAINE
MD	MARYLAND
MA	MASSACHUSETTS
MI	MICHIGAN
MN	MINNESOTA

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<b>Original Word</b>	<b>Replacement Word</b>
MS	MISSISSIPPI
MO	MISSOURI
MT	MONTANA
NE	NEBRASKA
NV	NEVADA
NH	NEW HAMPSHIRE
NJ	NEW JERSEY
NM	NEW MEXICO
NY	NEW YORK
NC	NORTH CAROLINA
ND	NORTH DAKOTA
OH	OHIO
OK	OKLAHOMA
OR	OREGON
PA	PENNSYLVANIA
PR	PUERTO RICO
RI	RHODE ISLAND
SC	SOUTH CAROLINA
SD	SOUTH DAKOTA
TN	TENNESSEE
TX	TEXAS
UT	UTAH
VT	VERMONT
VA	VIRGINIA
WA	WASHINGTON
WV	WEST VIRGINIA
WI	WISCONSIN
WY	WYOMING

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## Seeded Attributes and Transformations

This chapter describes the seeded attributes and transformations for Data Quality Management.

## Seeded Attributes

Seeded attributes are provided for the entities used in Data Quality Management: Party, Address, Contact, and Contact Point. These attributes are used for matching in the staged schema. Each attribute corresponds to a column in a HZ table, such as HZ\_PARTIES. A table exists in the staged schema for each entity, and each of the four tables has 30 custom attribute columns that you can use to add attributes that are not seeded.

**See Also:** *Attributes for DQM, Oracle Trading Community Architecture Administration Guide*

Seeded attributes are defined as lookup codes, and the lookup meaning is what appears as the attribute name in the Define Attributes and Transformations page.

The staged schema also includes special logical attributes to facilitate matching for more frequently used and ambiguously defined attributes:

- **Address:** Concatenates address information from the ADDRESS1, ADDRESS2, ADDRESS3, and ADDRESS 4 columns in the HZ\_LOCATIONS table
- **All Account Names:** Concatenates all account names for a party from the ACCOUNT\_NAME column in the HZ\_CUST\_ACCOUNTS table
- **All Account Numbers:** Concatenates all account numbers for a party from the ACCOUNT\_NUMBER column in the HZ\_CUST\_ACCOUNTS table
- **Concatenated Party Names:** Concatenates all party names including known-as names from the PARTY\_NAME, KNOWN\_AS, KNOWN\_AS2, KNOWN\_AS3, KNOWN\_AS4, and KNOWN\_AS5 columns in the HZ\_PARTIES table
- **Phone Number Flexible Format:** Concatenates phone numbers in the format of phone number, raw phone number, phone country code, and raw phone number from the PHONE\_NUMBER, RAW\_PHONE\_NUMBER, PHONE\_COUNTRY\_CODE, and RAW\_PHONE\_NUMBER columns in the HZ\_CONTACT\_POINTS table

You cannot apply similarity algorithms to these attributes because the attributes consist of a concatenation of columns. The similarity algorithm would apply to the entire concatenation and likely produce unusable results.

**See Also:** *Assigning Scores, Transformations, and Thresholds, Oracle Trading Community Architecture Administration Guide*

## Party Attributes

The attributes for the party entity are stored in the HZ\_STAGED\_PARTIES table of the staged schema. The source tables for the attribute values include HZ\_PARTIES, HZ\_ORGANIZATION\_PROFILES, and HZ\_PERSON\_PROFILES. This table shows the seeded attributes and their source table from the TCA Registry.

Attribute Name	Attribute Code	Source Table
All Account Names	ALL_ACCOUNT_NAMES	<Logical attribute>
All Account Numbers	ALL_ACCOUNT_NUMBERS	<Logical attribute>
Average High Credit	AVE_HIGH_CREDIT	HZ_ORGANIZATION_PROFILES
Best Time to Begin Contact	BEST_TIME_CONTACT_BEGIN	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Best Time to End Contact	BEST_TIME_CONTACT_END	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Branch Flag	BRANCH_FLAG	HZ_ORGANIZATION_PROFILES
Business Scope	BUSINESS_SCOPE	HZ_ORGANIZATION_PROFILES
Category Code	CATEGORY_CODE	HZ_PARTIES
CEO Name	CEO_NAME	HZ_ORGANIZATION_PROFILES
CEO Title	CEO_TITLE	HZ_ORGANIZATION_PROFILES
Competitor Flag	COMPETITOR_FLAG	HZ_PARTIES
Concatenated Party Names	PARTY_ALL_NAMES	<Logical attribute>
Congressional District Code	CONG_DIST_CODE	HZ_ORGANIZATION_PROFILES
Content Source Number	CONTENT_SOURCE_NUMBER	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Content Source Type	CONTENT_SOURCE_TYPE	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Control Year	CONTROL_YR	HZ_ORGANIZATION_PROFILES
Corporation Class	CORPORATION_CLASS	HZ_ORGANIZATION_PROFILES
Credit Score	CREDIT_SCORE	HZ_ORGANIZATION_PROFILES
Credit Score Age	CREDIT_SCORE_AGE	HZ_ORGANIZATION_PROFILES
Credit Score Class	CREDIT_SCORE_CLASS	HZ_ORGANIZATION_PROFILES

## Party Attributes

<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Credit Score Commentary	CREDIT_SCORE_COMMENTARY	HZ_ORGANIZATION_PROFILES
Credit Score Commentary 2 through Credit Score Commentary 10	CREDIT_SCORE_COMENTARY2 through CREDIT_SCORE_COMMENTARY10	HZ_ORGANIZATION_PROFILES
Credit Score Date	CREDIT_SCORE_DATE	HZ_ORGANIZATION_PROFILES
Credit Score Incident Default	CREDIT_SCORE_INCD_DEFAULT	HZ_ORGANIZATION_PROFILES
Credit Score National Percentile	CREDIT_SCORE_NATL_PERCENTILE	HZ_ORGANIZATION_PROFILES
CUSTOM ATTRIBUTE 1 through CUSTOM ATTRIBUTE 30	CUSTOM_ATTRIBUTES1 through CUSTOM_ATTRIBUTES30	<Custom attribute>
Date of Birth	DATE_OF_BIRTH	HZ_PERSON_PROFILES
Date of Death	DATE_OF_DEATH	HZ_PERSON_PROFILES
Debarment Indicator	DEBARMENT_IND	HZ_ORGANIZATION_PROFILES
Debarments Count	DEBARMENTS_COUNT	HZ_ORGANIZATION_PROFILES
Debarments Date	DEBARMENTS_DATE	HZ_ORGANIZATION_PROFILES
Declared Ethnicity	DECLARED_ETHNICITY	HZ_PERSON_PROFILES
Disadvantaged Under Title 8A Indicator	DISADV_8A_IND	HZ_ORGANIZATION_PROFILES
Domain	DOMAIN_NAME	HZ_EMAIL_DOMAIN
Dun & Bradstreet Credit Rating	DB_RATING	HZ_ORGANIZATION_PROFILES
DUNS Number	DUNS_NUMBER	HZ_ORGANIZATION_PROFILES
Effective End Date	EFFECTIVE_END_DATE	HZ_ORGANIZATION_PROFILES
Effective Start Date	EFFECTIVE_START_DATE	HZ_ORGANIZATION_PROFILES
Enquiry DUNS	ENQUIRY_DUNS	HZ_ORGANIZATION_PROFILES
Export Indicator	EXPORT_IND	HZ_ORGANIZATION_PROFILES
Failure Score	FAILURE_SCORE	HZ_ORGANIZATION_PROFILES
Failure Score Age	FAILURE_SCORE_AGE	HZ_ORGANIZATION_PROFILES
Failure Score Class	FAILURE_SCORE_CLASS	HZ_ORGANIZATION_PROFILES
Failure Score Commentary	FAILURE_SCORE_COMMENTARY	HZ_ORGANIZATION_PROFILES

<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Failure Score Commentary 2 through Failure Score Commentary 10	FAILURE_SCORE_COMMENTARY2 through FAILURE_SCORE_COMMENTARY10	HZ_ORGANIZATION_PROFILES
Failure Score Date	FAILURE_SCORE_DATE	HZ_ORGANIZATION_PROFILES
Failure Score Incident Default	FAILURE_SCORE_INCD_DEFAULT	HZ_ORGANIZATION_PROFILES
Failure Score Override Code	FAILURE_SCORE_OVERRIDE_CODE	HZ_ORGANIZATION_PROFILES
Fiscal Year for Financial Analysis	ANALYSIS_FY	HZ_ORGANIZATION_PROFILES
Gender	GENDER	HZ_PERSON_PROFILES
Global Failure Score	GLOBAL_FAILURE_SCORE	HZ_ORGANIZATION_PROFILES
Group Type	GROUP_TYPE	HZ_PARTIES
GSA Indicator Flag	GSA_INDICATOR_FLAG	HZ_ORGANIZATION_PROFILES
Head of Household Flag	HEAD_OF_HOUSEHOLD_FLAG	HZ_PERSON_PROFILES
Highest Credit	HIGH_CREDIT	HZ_ORGANIZATION_PROFILES
Household Income	HOUSEHOLD_INCOME	HZ_PERSON_PROFILES
Household Size	HOUSEHOLD_SIZE	HZ_PERSON_PROFILES
HQ Branch Indicator	HQ_BRANCH_IND	HZ_ORGANIZATION_PROFILES
Import Indicator	IMPORT_IND	HZ_ORGANIZATION_PROFILES
Internal Flag	INTERNAL_FLAG	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
JGZZ Fiscal Code	JGZZ_FISCAL_CODE	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Known As 1	KNOWN_AS	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Known As 2 through Known As 5	KNOWN_AS2 through KNOWN_AS5	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Labor Surplus Indicator	LABOR_SURPLUS_IND	HZ_ORGANIZATION_PROFILES
Language Name	LANGUAGE_NAME	HZ_PARTIES
Last Known GPS	LAST_KNOWN_GPS	HZ_PERSON_PROFILES
Last Month of Fiscal Year	FISCAL_YEAREND_MONTH	HZ_ORGANIZATION_PROFILES
Legal Structure	LEGAL_STATUS	HZ_ORGANIZATION_PROFILES

## Party Attributes

<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Line of Business	LINE_OF_BUSINESS	HZ_ORGANIZATION_PROFILES
Local Activity Classification Code	LOCAL_ACTIVITY_CODE	HZ_ORGANIZATION_PROFILES
Local Activity Classification Code Type	LOCAL_ACTIVITY_CODE_TYPE	HZ_ORGANIZATION_PROFILES
Local Business Identifier	LOCAL_BUS_IDEN_TYPE	HZ_ORGANIZATION_PROFILES
Local Business Identifier Type	LOCAL_BUS_IDENTIFIER	HZ_ORGANIZATION_PROFILES
Marital Status	MARITAL_STATUS	HZ_PERSON_PROFILES
Marital Status Effective Date	MARITAL_STATUS_EFFECTIVE_DATE	HZ_PERSON_PROFILES
Maximum Credit Currency Code	MAXIMUM_CREDIT_CURRENCY_CORE	HZ_ORGANIZATION_PROFILES
Maximum Credit Recommendation	MAXIMUM_CREDIT_RECOMMENDATION	HZ_ORGANIZATION_PROFILES
Min/Max/Ave Number of Employees at Primary Address Indicator	EMP_AT_PRIMARY_ADR_MIN_IND	HZ_ORGANIZATION_PROFILES
Minority Owned Indicator	MINORITY_OWNED_IND	HZ_ORGANIZATION_PROFILES
Minority Type	MINORITY_OWNED_TYPE	HZ_ORGANIZATION_PROFILES
Number of Employees	EMPLOYEES_TOTAL	HZ_ORGANIZATION_PROFILES
Number of Employees at Primary Address	EMP_AT_PRIMARY_ADR	HZ_ORGANIZATION_PROFILES
Number of Employees Estimation Indicator	EMP_AT_PRIMARY_ADR_EST_IND	HZ_ORGANIZATION_PROFILES
Organization Name	ORGANIZATION_NAME	HZ_ORGANIZATION_PROFILES
Organization Type	ORGANIZATION_TYPE	HZ_ORGANIZATION_PROFILES
Out of Business Indicator	OOB_IND	HZ_ORGANIZATION_PROFILES
Parent/Subsidiary Indicator	PARENT_SUB_IND	HZ_ORGANIZATION_PROFILES
Party Name	PARTY_NAME	HZ_PARTIES
Party Number	PARTY_NUMBER	HZ_PARTIES
Party Type	PARTY_TYPE	HZ_PARTIES
Paydex Norm	PAYDEX_NORM	HZ_ORGANIZATION_PROFILES

<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Paydex Score	PAYDEX_SCORE	HZ_ORGANIZATION_PROFILES
Paydex Score Three Months Ago	PAYDEX_THREE_MONTHS_AGO	HZ_ORGANIZATION_PROFILES
Person Academic Title	PERSON_ACADEMIC_TITLE	HZ_PERSON_PROFILES
Person First Name	PERSON_FIRST_NAME	HZ_PERSON_PROFILES
Person Initials	PERSON_INITIALS	HZ_PERSON_PROFILES
Person Last Name	PERSON_LAST_NAME	HZ_PERSON_PROFILES
Person Middle Name	PERSON_MIDDLE_NAME	HZ_PERSON_PROFILES
Person Middle Name Phonetic	MIDDLE_NAME_PHONETIC	HZ_PERSON_PROFILES
Person Name	PERSON_NAME	HZ_PERSON_PROFILES
Person Name Suffix	PERSON_NAME_SUFFIX	HZ_PERSON_PROFILES
Person Pre-Name Adjunct	PERSON_PRE_NAME_ADJUNCT	HZ_PERSON_PROFILES
Person Previous Last Name	PERSON_PREVIOUS_LAST_NAME	HZ_PERSON_PROFILES
Person Title	PERSON_TITLE	HZ_PERSON_PROFILES
Personal Identification	PERSON_IDENTIFIER	HZ_PERSON_PROFILES
Personal Income	PERSONAL_INCOME	HZ_PERSON_PROFILES
Phonetic Representation of Organization Name	ORGANIZATION_NAME_PHONETIC	HZ_ORGANIZATION_PROFILES
Phonetic Representation of Person First Name	PERSON_FIRST_NAME_PHONETIC	HZ_PERSON_PROFILES
Phonetic Representation of Person Last Name	PERSON_LAST_NAME_PHONETIC	HZ_PERSON_PROFILES
Phonetic Representation of Person Name	PERSON_NAME_PHONETIC	HZ_PERSON_PROFILES
Place of Birth	PLACE_OF_BIRTH	HZ_PERSON_PROFILES
Potential Revenue of Current Fiscal Year	CURR_FY_POTENTIAL_REVENUE	HZ_ORGANIZATION_PROFILES
Potential Revenue of the Next Fiscal Year	NEXT_FY_POTENTIAL_REVENUE	HZ_ORGANIZATION_PROFILES

## Party Attributes

<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Preferred Functional Currency	PREF_FUNCTIONAL_CURRENCY	HZ_ORGANIZATION_PROFILES
Princinal Title	PRINCIPAL_TITLE	HZ_ORGANIZATION_PROFILES
Principal Name	PRINCIPAL_NAME	HZ_ORGANIZATION_PROFILES
Private Ownership Flag	PUBLIC_PRIVATE_OWNERSHIP_FLAG	HZ_ORGANIZATION_PROFILES
Reference Use Flag	REFERENCE_USE_FLAG	HZ_PARTIES
Registration Type	REGISTRATION_TYPE	HZ_ORGANIZATION_PROFILES
Rent or Own Indicator	RENT_OWN_IND	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Salutation	SALUTATION	HZ_PARTIES
SIC Code	SIC_CODE	HZ_ORGANIZATION_PROFILES
SIC Code Version	SIC_CODE_TYPE	HZ_ORGANIZATION_PROFILES
Small Business Indicator	SMALL_BUS_IND	HZ_ORGANIZATION_PROFILES
Status	STATUS	HZ_PARTIES
Tax Name	TAX_NAME	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Tax Reference	TAX_REFERENCE	HZ_ORGANIZATION_PROFILES or HZ_PERSON_PROFILES
Text Number of Employees at Primary Address	EMP_AT_PRIMARY_ADR_TEXT	HZ_ORGANIZATION_PROFILES
Third Party Flag	THIRD_PARTY_FLAG	HZ_PARTIES
Total Number of Employees Estimation Indicator	TOTAL_EMP_EST_IND	HZ_ORGANIZATION_PROFILES
Total Number of Employees in Text Format	TOTAL_EMPLOYEES_TEXT	HZ_ORGANIZATION_PROFILES
Total Number of Employees Indicator	TOTAL_EMPLOYEES_IND	HZ_ORGANIZATION_PROFILES
Total Number of Employees Min/Max/Ave Indicator	TOTAL_EMP_MIN_IND	HZ_ORGANIZATION_PROFILES
Total Payments	TOTAL_PAYMENTS	HZ_ORGANIZATION_PROFILES

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<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Type of Personal Identification	PERSON_IDEN_TYPE	HZ_PERSON_PROFILES
Validated Flag	VALIDATED_FLAG	HZ_PARTIES
Woman Owned Index	WOMAN_OWNED_IND	HZ_ORGANIZATION_PROFILES
Year Established	YEAR_ESTABLISHED	HZ_ORGANIZATION_PROFILES
Year Incorporated	INCORP_YEAR	HZ_ORGANIZATION_PROFILES

## Address Attributes

The attributes for the Address entity are stored in the HZ\_STAGED\_PARTY\_SITES table of the staged schema. The source tables for the attribute values include HZ\_LOCATIONS and HZ\_PARTY\_SITES. This table shows the seeded attributes and their source table from the TCA Registry.

Attribute Name	Attribute Code	Source Table
Address	Address	<Logical attribute>
Address 1 through Address 4	ADDRESS1 through ADDRESS4	HZ_LOCATIONS
Address Effective Date	ADDRESS_EFFECTIVE_DATE	HZ_LOCATIONS
Address Expiration Date	ADDRESS_EXPIRATION_DATE	HZ_LOCATIONS
Address Phonetic Representation	ADDRESS_LINES_PHONETIC	HZ_LOCATIONS
City	CITY	HZ_LOCATIONS
CLLI Code	CLLI_CODE	HZ_LOCATIONS
Content Source Type	CONTENT_SOURCE_TYPE	HZ_LOCATIONS
Country	COUNTRY	HZ_LOCATIONS
County	COUNTY	HZ_LOCATIONS
CUSTOM ATTRIBUTE 1 through CUSTOM ATTRIBUTE 30	CUSTOM_ATTRIBUTES1 through CUSTOM_ATTRIBUTES30	<Custom attribute>
Floor	FLOOR	HZ_LOCATIONS
House Number	HOUSE_NUMBER	HZ_LOCATIONS
Identifying Address Flag	IDENTIFYING_ADDRESS_FLAG	HZ_PARTY_SITES
Language	LANGUAGE	HZ_LOCATIONS
Mailstop	MAILSTOP	HZ_PARTY_SITES
P.O. Box Number	PO_BOX_NUMBER	HZ_LOCATIONS
Party Site Name	PARTY_SITE_NAME	HZ_PARTY_SITES
Party Site Number	PARTY_SITE_NUMBER	HZ_PARTY_SITES
Position	POSITION	HZ_LOCATIONS
Postal Code	POSTAL_CODE	HZ_LOCATIONS
Postal Code Extension	POSTAL_PLUS4_CODE	HZ_LOCATIONS

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<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Province	PROVINCE	HZ_LOCATIONS
Sales Tax Geocode	SALES_TAX_GEOCODE	HZ_LOCATIONS
Sales Tax Inside City Limits	SALES_TAX_INSIDE_CITY_LIMITS	HZ_LOCATIONS
State	STATE	HZ_LOCATIONS
Street	STREET	HZ_LOCATIONS
Street Number	STREET_NUMBER	HZ_LOCATIONS
Street Suffix	STREET_SUFFIX	HZ_LOCATIONS
Suite	SUITE	HZ_LOCATIONS
Validated Flag	VALIDATED_FLAG	HZ_LOCATIONS

## Contact Attributes

The attributes for the Contact entity are stored in the HZ\_STAGED\_CONTACTS table of the staged schema. The source tables for the attribute values include HZ\_ORG\_CONTACTS, HZ\_PERSON\_PROFILES, and HZ\_RELATIONSHIPS. This table shows the seeded attributes and their source table from the TCA registry.

Attribute Name	Attribute Code	Source Table
Best Time to Begin Contact	BEST_TIME_CONTACT_BEGIN	HZ_PERSON_PROFILES
Best Time to End Contact	BEST_TIME_CONTACT_END	HZ_PERSON_PROFILES
Contact Name	CONTACT_NAME	<Custom attribute>
Contact Number	CONTACT_NUMBER	HZ_ORG_CONTACTS
Content Source Type	CONTENT_SOURCE_TYPE	HZ_RELATIONSHIPS
CUSTOM ATTRIBUTE 1 through CUSTOM ATTRIBUTE 30	CUSTOM_ATTRIBUTES1 through CUSTOM_ATTRIBUTES30	<Custom attribute>
Date of Birth	DATE_OF_BIRTH	HZ_PERSON_PROFILES
Date of Death	DATE_OF_DEATH	HZ_PERSON_PROFILES
Decision Maker Flag	DECISION_MAKER_FLAG	HZ_ORG_CONTACTS
Directional Flag	DIRECTIONAL_FLAG	HZ_RELATIONSHIPS
JGZZ Fiscal Code	JGZZ_FISCAL_CODE	HZ_PERSON_PROFILES
Job Title	JOB_TITLE	HZ_ORG_CONTACTS
Known As	KNOWN_AS	HZ_PERSON_PROFILES
Person Academic Title	PERSON_ACADEMIC_TITLE	HZ_PERSON_PROFILES
Person First Name	PERSON_FIRST_NAME	HZ_PERSON_PROFILES
Person Initials	PERSON_INITIALS	HZ_PERSON_PROFILES
Person Last Name	PERSON_LAST_NAME	HZ_PERSON_PROFILES
Person Middle Name	PERSON_MIDDLE_NAME	HZ_PERSON_PROFILES
Person Name	PERSON_NAME	HZ_PERSON_PROFILES
Person Name Suffix	PERSON_NAME_SUFFIX	HZ_PERSON_PROFILES
Person Previous Last Name	PERSON_PREVIOUS_LAST_NAME	HZ_PERSON_PROFILES
Person Title	PERSON_TITLE	HZ_PERSON_PROFILES

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<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Personal Identification	PERSON_IDENTIFIER	HZ_PERSON_PROFILES
Personal Identification Type	PERSON_IDEN_TYPE	HZ_PERSON_PROFILES
Phonetic Representation of Person First Name	PERSON_FIRST_NAME_PHONETIC	HZ_PERSON_PROFILES
Phonetic Representation of Person Last Name	PERSON_LAST_NAME_PHONETIC	HZ_PERSON_PROFILES
Phonetic Representation of Person Name	PERSON_NAME_PHONETIC	HZ_PERSON_PROFILES
Place of Birth	PLACE_OF_BIRTH	HZ_PERSON_PROFILES
Rank	RANK	HZ_ORG_CONTACTS
Reference Use Flag	REFERENCE_USE_FLAG	HZ_ORG_CONTACTS
Relationship Type	RELATIONSHIP_TYPE	HZ_RELATIONSHIPS
Tax Name	TAX_NAME	HZ_PERSON_PROFILES
Tax Reference	TAX_REFERENCE	HZ_PERSON_PROFILES
Title	TITLE	HZ_ORG_CONTACTS

## Contact Point Attributes

The attributes for the Contact Point entity are stored in the HZ\_STAGED\_CONTACT\_POINTS table of the staged schema. The source tables for the attribute values is HZ\_CONTACT\_POINTS. This table shows the seeded attributes and their source table from the TCA Registry.

Attribute Name	Attribute Code	Source Table
Contact Point Type	CONTACT_POINT_TYPE	HZ_CONTACT_POINTS
CUSTOM ATTRIBUTE 1 through CUSTOM ATTRIBUTE 30	CUSTOM_ATTRIBUTES1 through CUSTOM_ATTRIBUTES30	<Custom attribute>
EDI ECE TP Location Code	EDI_ECE_TP_LOCATION_CODE	HZ_CONTACT_POINTS
EDI ID Number	EDI_ID_NUMBER	HZ_CONTACT_POINTS
EDI Payment Format	EDI_PAYMENT_FORMAT	HZ_CONTACT_POINTS
EDI Payment Method	EDI_PAYMENT_METHOD	HZ_CONTACT_POINTS
EDI Remittance Instruction	EDI_REMITTANCE_INSTRUCTION	HZ_CONTACT_POINTS
EDI Remittance Method	EDI_REMITTANCE_METHOD	HZ_CONTACT_POINTS
EDI TP Header ID	EDI_TP_HEADER_ID	HZ_CONTACT_POINTS
EDI Transaction Handling	EDI_TRANSACTION_HANDLING	HZ_CONTACT_POINTS
Email Address	EMAIL_ADDRESS	HZ_CONTACT_POINTS
Email Format	EMAIL_FORMAT	HZ_CONTACT_POINTS
Phone Number Flexible Format	FLEX_FORMAT_PHONE_NUMBER	<Logical attribute>
Last Contact Day and Time	LAST_CONTACT_DT_TIME	HZ_CONTACT_POINTS
Phone Area Code	PHONE_AREA_CODE	HZ_CONTACT_POINTS
Phone Calling Calendar	PHONE_CALLING_CALENDAR	HZ_CONTACT_POINTS
Phone Country Code	PHONE_COUNTRY_CODE	HZ_CONTACT_POINTS
Phone Extension	PHONE_EXTENSION	HZ_CONTACT_POINTS
Phone Line Type	PHONE_LINE_TYPE	HZ_CONTACT_POINTS
Phone Number	PHONE_NUMBER	HZ_CONTACT_POINTS
Primary Flag	PRIMARY_FLAG	HZ_CONTACT_POINTS
Raw Phone Number	RAW_PHONE_NUMBER	HZ_CONTACT_POINTS

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<b>Attribute Name</b>	<b>Attribute Code</b>	<b>Source Table</b>
Phone Type	TELEPHONE_TYPE	HZ_CONTACT_POINTS
Telex Number	TELEX_NUMBER	HZ_CONTACT_POINTS
Time Zone	TIME_ZONE	HZ_CONTACT_POINTS
URL	URL	HZ_CONTACT_POINTS
Web Type	WEB_TYPE	HZ_CONTACT_POINTS

## Seeded Transformations

Transformations are preconfigured for the entities of Party, Address, Contact, and Contact Point. You can also create your own transformations.

**See Also:** Transformations Overview, *Oracle Trading Community Architecture Administration Guide*

Transformations, seeded or not, can also contain word replacements.

**See Also:** Word Replacements, *Oracle Trading Community Architecture Administration Guide*

This table shows the seeded transformations, the function and purpose of each, as well as examples of the transformation.

<b>Transformation Name</b>	<b>PL/SQL Function Name</b>	<b>Operations</b>	<b>Purpose</b>	<b>Example Input</b>	<b>Example Output</b>
CLEANSE	HZ_TRANS_PKG.CLEANSE	Capitalize all letters. Remove nonalphanumeric characters. Reduce all instances of white space to a single white space. Remove double letters. Remove vowels except initial vowels.	To catch incorrect vowel usage and typing errors	D' Angello	D ANGL

Transformation Name	PL/SQL Function Name	Operations	Purpose	Example Input	Example Output
CLEANSE (EMAIL)	HZ_TRANS_PKG. CLEANSED_EMAIL	<p>Replace domain name words.</p> <p>Capitalize all letters.</p> <p>Replace nonalphanumeric characters with white space.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch incorrect vowel usage and typing errors as well as mistakes with domain names	joe.smith@oracle.com	J SMTH ORCL
CLEANSE (URL)	HZ_TRANS_PKG. CLEANSED_URL	<p>Replace <i>http://</i> and other URL protocols.</p> <p>Capitalize all letters.</p> <p>Replace nonalphanumeric characters with white space.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace domain names.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p> <p>Keep only first five words.</p>	To catch incorrect vowel usage and typing errors as well as mistakes with domain names	http://ww.oracle.com	ORCL

Transformation Name	PL/SQL Function Name	Operations	Purpose	Example Input	Example Output
CLUSTER	HZ_TRANS_PKG.CLUSTER_WORD	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Remove all but first four letters of the first two words.</p>	To catch spelling errors at the end of the word and minor format errors	D' Angello	D ANGE
CORE DOMAIN EXTRACTION	HZ_EMAIL_DOMAINS_V2PUB.CORE_DOMAIN	<p>Use the FULL DOMAIN EXTRACTION to extract only full domains that are not ISP e-mail domains.</p> <p>Compare value to lookup codes in the E-Mail Domain Suffixes (HZ_DOMAIN_SUFFIX_LIST) lookup type.</p> <p>For matches to the lookup, remove everything but the lookup value and the directly preceding segment. For nonmatching values, remove everything but the last two segments.</p>	To extract the core domain of e-mail addresses and ignore ISP e-mail domains	Joe.smith@oracle.co.uk	ORACLE.CO.UK (if CO.UK is an E-Mail Domain Suffixes lookup code and not included in the ISP E-Mail Domains lookup type) CO.UK (if the input does not match codes in either lookup type)
EXACT	HZ_TRANS_PKG.EXACT	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p>	To catch format errors	D' Angello	D ANGELLO

Transformation Name	PL/SQL Function Name	Operations	Purpose	Example Input	Example Output
EXACT (DATE)	HZ_TRANS_PKG.EXACT_DATE	Converts date format to character format.	To enable character comparison for dates	01-JAN-2002	01-JAN-2002
EXACT (EMAIL)	HZ_TRANS_PKG.EXACT_EMAIL	Capitalizes all letters.	To catch case errors	Joe.smith@oracle.com	JOE.SMITH@ORACLE.COM
EXACT (NUMBER)	HZ_TRANS_PKG.RM_SPLCHAR	Converts numeric format to character format.	To enable character comparison for numbers	100	100
EXACT (URL)	HZ_TRANS_PKG.EXACT_URL	Replace <i>http://</i> and other URL protocols. Capitalize all letters.	To catch case errors	<i>http://</i> WWw.oracle.com	WWW.ORACLE.COM
EXACT STRING	HZ_TRANS_PKG.EXACT_PADDED	Capitalize all letters. Remove nonalphanumeric characters. Reduce all instances of white space to a single white space. Pads the string with # on both sides.	To capture the exact string and catch format errors	D' Angelo	#D ANGELLO#
FULL DOMAIN EXTRACTION	HZ_EMAIL_DOMAINS_V2PUB.FULL_DOMAIN	Capitalize all letters. Remove everything before and including the @ symbol in e-mail addresses. Compare value to lookup codes in the ISP E-Mail Domains (HZ_DOMAIN_ISP_LIST) lookup type. Replace matching values with a null value.	To extract the full domain of e-mail addresses and ignore ISP e-mail domains	Joe.smith@oracle.co.uk	ORACLE.CO.UK (if the input does not match codes in the ISP E-Mail Domains lookup type)

Transformation Name	PL/SQL Function Name	Operations	Purpose	Example Input	Example Output
REV + WORD REPLACE + CLEANSE	HZ_TRANS_ PKG.REVERSE_ _WRNAMES_ _CLEANSE (for person or organization names) or HZ_TRANS_ PKG.REVERSE_ _WRPERSON_ _CLEANSE (for person names only)	Reverse the last word as the first word. Capitalize all letters. Remove nonalphanumeric characters. Reduce all instances of white space to a single white space. Replace words for person or organization names. Remove double letters. Remove vowels except initial vowels.	To catch incorrect ordering of words, as well as nicknames, abbreviations, and spelling variations for person or organization names and incorrect vowel usage and typing errors	D' Angello Mike	MCHL D ANGL
REV + WORD REPLACE + CLUSTER	HZ_TRANS_ PKG.REVERSE_ _WRNAMES_ _CLUSTER (for person or organization names) or HZ_TRANS_ PKG.REVERSE_ _WRPERSON_ _CLUSTER (for person names only)	Reverse the last word as the first word. Capitalize all letters. Remove nonalphanumeric characters. Reduce all instances of white space to a single white space. Replace words for person names. Remove all but first four letters of the first two words.	To catch incorrect ordering of words, as well as nicknames, abbreviations, and spelling variations for person names and spelling errors at the end of the word and minor format errors	Inc Mitchell	MITC INCO
REVERSE	HZ_TRANS_ PKG.REVERSE_ _NAME	Reverse the last word as the first word.	To catch incorrect ordering of words	Madison Mitchell	Mitchell Madison

<b>Transformation Name</b>	<b>PL/SQL Function Name</b>	<b>Operations</b>	<b>Purpose</b>	<b>Example Input</b>	<b>Example Output</b>
SOUNDEX	HZ_TRANS_ PKG.SOUNDX	Group words by sound instead of exact spelling by translating words into a four-digit code consisting of one letter and three numbers.	To catch spelling errors	Smith	S260
WORD REPLACE + CLEANSE (for addresses)	HZ_TRANS_ PKG. WRADDRESS_ CLEANSE	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for addresses.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch abbreviations for words used in the address as well as incorrect vowel usage and typing errors	W. Main St.	WST MN STRT
WORD REPLACE + CLEANSE (for organization and person names)	HZ_TRANS_ PKG. WRNAMES_ CLEANSE	<p>Replace words for organization and person names.</p> <p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch nicknames, abbreviations, and spelling variations for person or organization names as well as incorrect vowel usage and typing errors	D' Angello Corp	D NGL CRPRTN

Transformation Name	PL/SQL Function Name	Operations	Purpose	Example Input	Example Output
WORD REPLACE + CLEANSE (for organization names)	HZ_TRANS_PKG.WRORG_CLEANSE	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for organization names.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch nicknames, abbreviations, and spelling variations for organization names as well as incorrect vowel usage and typing errors	Oracle Corp	ORCL CRPRTN
WORD REPLACE + CLEANSE (for person names)	HZ_TRANS_PKG.WRPERSON_CLEANSE	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for person names.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch nicknames, abbreviations, and spelling variations for person names as well as incorrect vowel usage and typing errors	Mike D'Angello	MCHL D ANGL
WORD REPLACE + CLEANSE (for state names)	HZ_TRANS_PKG.WRSTATE_CLEANSE	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for state.</p> <p>Remove double letters.</p> <p>Remove vowels except initial vowels.</p>	To catch spelling errors and incorrect abbreviations for state as well as incorrect vowel usage and typing errors	CA	CLFRN

<b>Transformation Name</b>	<b>PL/SQL Function Name</b>	<b>Operations</b>	<b>Purpose</b>	<b>Example Input</b>	<b>Example Output</b>
WORD REPLACE + CLUSTER (for organization and person names)	HZ_TRANS_PKG.WRNAMES_CLUSTER	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for organization and person names.</p> <p>Remove all but first four letters of the first two words.</p>	To catch nicknames, abbreviations, and spelling variations for person or organization names as well as spelling errors at the end of the word and minor format errors	D' Angelo Corp	D ANGE
WORD REPLACE + CLUSTER (for organization names)	HZ_TRANS_PKG.WRORG_CLUSTER	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for organization names.</p> <p>Remove all but first four letters of the first two words.</p>	To catch nicknames, abbreviations, and spelling variations for organization names as well as spelling errors at the end of the word and minor format errors	Mitchell Inc	MITC INCO
WORD REPLACE + CLUSTER (for person names)	HZ_TRANS_PKG.WRPERSON_CLUSTER	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for person names.</p> <p>Remove all but first four letters of the first two words.</p>	To catch nicknames, abbreviations, and spelling variations for person names as well as spelling errors at the end of the word and minor format errors	Mike D' Angelo	MICH D

<b>Transformation Name</b>	<b>PL/SQL Function Name</b>	<b>Operations</b>	<b>Purpose</b>	<b>Example Input</b>	<b>Example Output</b>
WORD REPLACE + EXACT (for addresses)	HZ_TRANS_PKG.WRADDRESS_EXACT	Replace words for addresses.	To catch abbreviations for words used in the address	W. Main St.	WEST Main STREET
WORD REPLACE + EXACT (for organization and person names)	HZ_TRANS_PKG.WRNames_EXACT	Replace words for organization and person names.	To catch nicknames, abbreviations, and spelling variations for person or organization names	Oracle Corp	Oracle CORPORATI ON
WORD REPLACE + EXACT (for organization names)	HZ_TRANS_PKG.WRORG_EXACT	Replace words for organization names.	To catch nicknames, abbreviations, and spelling variations for organization names	Oracle Corp	Oracle CORPORATI ON
WORD REPLACE + EXACT (for person names)	HZ_TRANS_PKG.WRPERSON_EXACT	<p>Capitalize all letters.</p> <p>Remove nonalphanumeric characters.</p> <p>Reduce all instances of white space to a single white space.</p> <p>Replace words for person names.</p>	To catch nicknames, abbreviations, and spelling variations for person names	Mike D'Angello	MICHAEL D ANGELLO
WORD REPLACE + EXACT (for state names)	HZ_TRANS_PKG.WRSTATE_EXACT	Replace words for state.	To catch spelling errors and incorrect abbreviations for state	CA	California

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## Seeded Match Rules

This chapter describes the seeded match rules for Data Quality Management.

## Seeded Match Rules

Data Quality Management provides 11 generic seeded match rules that you can use or base your custom match rules on. Other match rules are seeded for specific applications or features, but can be used otherwise depending on your business needs.

You must compile all seeded match rules before you can use them.

**See Also:** Match Rules Overview, *Oracle Trading Community Architecture Administration Guide*

### Bulk Duplicate Identification

You can use these three generic seeded match rules to identify duplicates, in bulk:

- That currently exist within your TCA Registry
- Between interface tables and the TCA Registry

For example, you can use match rules of type Bulk Duplicate Identification for batch de-duplication and Registry de-duplication in TCA Bulk Import.

- BULK MATCH: IDENTICAL ORGANIZATIONS on page 7-5
- BULK MATCH: IDENTICAL PARTIES on page 7-7
- BULK MATCH: IDENTICAL PERSONS on page 7-9

These type of match rules are used in the bulk duplicate identification process of DQM.

**See Also:** Bulk Duplicate Identification *and* Bulk Duplicate Identification Matching Process, *Oracle Trading Community Architecture Administration Guide*

### Expanded Duplicate Identification

You can use these six generic seeded match rules to identify duplicates that currently exist within your TCA Registry, for example, through batch duplicate identification:

- SAMPLE: ADDRESS\_ORGANIZATIONS on page 7-33
- SAMPLE: ADDRESS\_PERSONS on page 7-35
- SAMPLE: IDENTICAL\_ORGANIZATIONS on page 7-37

- SAMPLE: IDENTICAL\_PERSON on page 7-38
- SAMPLE: SIMILAR\_ORGANIZATION on page 7-51
- SAMPLE: SIMILAR\_PERSON on page 7-53

The same six match rules can also be used for identifying duplicates of entered or updated party information, for example, to prevent users from creating a duplicate record.

### Search

You can use these six generic seeded match rules for search functionality:

- SAMPLE: SEARCH on page 7-40
- SAMPLE: SEARCH ADDRESS ORGANIZATIONS EXACT on page 7-42
- SAMPLE: SEARCH EXACT on page 7-44
- SAMPLE: SEARCH SIMILAR ORGANIZATION EXACT on page 7-47
- SAMPLE: SEARCH SIMILAR PERSON EXACT on page 7-49

## Feature Specific Match Rules

### Relationship Manager

The RM SEARCH RULE seeded match rule is provided specifically for Relationship Manager to search for existing relationships. See RM SEARCH RULE on page 7-30.

**See Also:** *Setting Up Relationship Manager, Oracle Trading Community Architecture Administration Guide*

### Oracle Data Librarian De-Duplication

Five seeded match rules are provided specifically for de-duplication in Oracle Data Librarian. You can use or base your custom match rules on any of these:

- DL ADDRESS AND RELATIONSHIP SEARCH on page 7-11
- DL ADDRESS DEFAULT on page 7-13
- DL RELATIONSHIP DEFAULT on page 7-15
- DL SMART SEARCH on page 7-30
- DL SYSTEM DUPLICATE IDENTIFICATION on page 7-19

You can use these seeded match rules for profile options used to set up de-duplication.

**See Also:** Setting Up De-Duplication *and* Profile Options for De-Duplication, *Oracle Data Librarian Implementation Guide*

### Organization and Person Search

Four seeded match rules are provided specifically for simple and advanced searches of organizations and persons. For example, you can use these match rules to set profile options for the searches in Oracle Customers Online.

- HZ\_ORG\_ADV\_SEARCH\_RULE on page 7-21
- HZ\_ORG\_SIMPLE\_SEARCH\_RULE on page 7-23
- HZ\_PERSON\_ADVANCED\_SEARCH\_MATCH\_RULE on page 7-25
- HZ\_PERSON\_SIMPLE\_SEARCH\_RULE on page 7-28

### Oracle Receivables

These profile options are seeded specifically for features in Oracle Receivables.

- CREDIT MANAGEMENT SEARCH
- SAMPLE:BASIC SEARCH RULE
- SAMPLE:ADVANCED SEARCH RULE

**See Also:** Seeded Search Match Rules, *Oracle Receivables User Guide*

## BULK MATCH: IDENTICAL ORGANIZATIONS

The BULK MATCH: IDENTICAL ORGANIZATIONS match rule identifies duplicate parties of type Organization in bulk.

**Type:** Bulk Duplicate Identification

**Search Operator:** Match Any Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
DUNS Number	Party	No	EXACT
Taxpayer ID	Party	No	EXACT
Address	Address	No	WORD REPLACE
Contact Name	Contact	No	WORD REPLACE
Raw Phone Number	Contact Point	No	REVERSE
URL	Contact Point	No	CLEANSE (URL)
Party Type	Party	No	EXACT
SIC Code	Party	No	EXACT
Postal Code	Address	No	EXACT
Name	Party	No	WORD REPLACE

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	175
Override Threshold	
Automatic Merge Threshold	250

## BULK MATCH: IDENTICAL ORGANIZATIONS

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This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
DUNS Number	Party	200	EXACT	100	Exact	
Taxpayer ID	Party	200	EXACT	100	Exact	
Address	Address	100	WORD REPLACE	100	Exact	
City	Address	15	EXACT	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	
Contact Name	Contact	20	EXACT STRING	100	Exact	
			WORD REPLACE	90	Exact	
Job Title	Contact	10	EXACT	100	Exact	
URL	Contact point	20	EXACT (URL)	100	Exact	
Raw Phone Number	Contact Point	70	EXACT	100	Exact	
			REVERSE	100	Exact	
Name	Party	80	EXACT STRING	100	Exact	
			WORD REPLACE	90	Exact	

## BULK MATCH: IDENTICAL PARTIES

The BULK MATCH: IDENTICAL PARTIES match rule identifies duplicate parties in bulk.

**Type:** Bulk Duplicate Identification

**Search Operator:** Match Any Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Name	Party	No	WORD REPLACE
DUNS Number	Party	No	EXACT
Taxpayer ID	Party	No	EXACT
Address	Address	No	WORD REPLACE
Contact Name	Contact	No	WORD REPLACE
Raw Phone Number	Contact Point	No	REVERSE
E-Mail Address	Contact Point	No	EXACT (EMAIL)
URL	Contact Point	No	EXACT (URL)
Party Type	Party	No	EXACT
Postal Code	Address	No	EXACT
SIC Code	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	175
Override Threshold	
Automatic Merge Threshold	300

## BULK MATCH: IDENTICAL PARTIES

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This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Raw Phone Number	Contact Point	70	EXACT	100	Exact	
			Reverse	100	Exact	
Name	Party	80	EXACT STRING	100	Exact	
			WORD REPLACE	90	Exact	
DUNS Number	Party	200	EXACT	100	Exact	
Taxpayer ID	Party	200	EXACT	100	Exact	
Address	Address	100	WORD REPLACE	100	Exact	
City	Address	15	EXACT	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	
Contact Name	Contact	20	EXACT STRING	100	Exact	
			WORD REPLACE	90	Exact	
Job Title	Contact	10	EXACT	100	Exact	
E-Mail Address	Contact Point	60	EXACT (EMAIL)	100	Exact	
URL	Contact point	20	EXACT (URL)	100	Exact	

## BULK MATCH: IDENTICAL PERSONS

The BULK MATCH: IDENTICAL PERSONS match rule identifies duplicate parties of type Person in bulk.

**Type:** Bulk Duplicate Identification

**Search Operator:** Match Any Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Taxpayer ID	Party	No	EXACT
Name	Party	No	WORD REPLACE
Address	Address	No	WORD REPLACE
Raw Phone Number	Contact Point	No	REVERSE
E-Mail Address	Contact Point	No	EXACT (EMAIL)
Party Type	Party	No	EXACT
Postal Code	Address	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	175
Override Threshold	
Automatic Merge Threshold	250

## BULK MATCH: IDENTICAL PERSONS

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This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Raw Phone Number	Contact Point	70	EXACT	100	Exact	
			Reverse	100	Exact	
Taxpayer ID	Party	200	EXACT	100	Exact	
Address	Address	100	WORD REPLACE	100	Exact	
Name	Party	80	EXACT STRING	100	Exact	
			WORD REPLACE	90	Exact	
City	Address	5	EXACT	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	
E-Mail Address	Contact Point	60	EXACT (EMAIL)	100	Exact	

## DL ADDRESS AND RELATIONSHIP SEARCH

The DL ADDRESS AND RELATIONSHIP SEARCH match rule searches for addresses or relationships for merge request mapping.

**See Also:** *Addresses and Relationships, Oracle Data Librarian User Guide*

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
City	Address	No	CLEANSE
State	Address	No	WORD REPLACE + CLEANSE
Postal Code	Address	No	EXACT
County	Address	No	CLEANSE
Province	Address	No	CLEANSE
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE
Address	Address	No	WR ADDRESS + CLEANSE
Country	Address	No	EXACT
Registry ID	Party	No	EXACT
Party Type	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	150
Override Threshold	

Threshold	Value
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation	Weight (%)	Type	Similarity (%)
City	Address	20	CLEANSE	80	Exact	
			EXACT	100	Exact	
State	Address	10	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	80	Exact	
Postal Code	Address	25	EXACT	100	Exact	
County	Address	15	CLEANSE	80	Exact	
			EXACT	100	Exact	
Province	Address	10	CLEANSE	80	Exact	
			EXACT	100	Exact	
Name	Party	50	SOUNDEX	100	Exact	
			EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Similarity	75
Address	Address	60	WORD REPLACE + EXACT	85	Exact	
			WORD REPLACE + CLEANSE	70	Exact	
Country	Address	5	EXACT	100	Exact	
Registry ID	Party	80	EXACT	100	Exact	

## DL ADDRESS DEFAULT

The DL ADDRESS DEFAULT match rule identifies duplicate addresses as default suggestions for mapping addresses in merge requests.

**See Also:** *Addresses, Oracle Data Librarian User Guide*

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE
State	Address	No	WORD REPLACE + EXACT WORD REPLACE + CLEANSE
Province	Address	No	CLEANSE
Postal Code	Address	No	EXACT
County	Address	No	CLEANSE
Country	Address	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	80
Override Threshold	
Automatic Merge Threshold	

## DL ADDRESS DEFAULT

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This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Postal Code	Address	15	EXACT	100	Exact	
City	Address	10	CLEANSE	80	Exact	
			EXACT	100	Exact	
State	Address	10	WORD REPLACE + EXACT	90	Exact	
			WORD REPLACE + CLEANSE	100	Exact	
Address	Address	40	WORD REPLACE + EXACT	90	Exact	
			WORD REPLACE + CLEANSE	70	Exact	
Province	Address	10	CLEANSE	80	Exact	
			EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	
County	Address	10	CLEANSE	80	Exact	
			EXACT	100	Exact	

## DL RELATIONSHIP DEFAULT

The DL RELATIONSHIP DEFAULT match rule identifies duplicate relationships as default suggestions for mapping relationships in merge requests.

**See Also:** Relationships, *Oracle Data Librarian User Guide*

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Name	Party	No	SOUNDEX WORD REPLACE + CLEANSE + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE
Postal Code	Address	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)
Tax Registration Num	Party	No	EXACT
Phone Number	Contact Point	No	EXACT
Job Title	Contact	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	80
Override Threshold	
Automatic Merge Threshold	

## DL RELATIONSHIP DEFAULT

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This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	60	Similarity	75
E-Mail Address	Contact Point	60	EXACT (EMAIL)	100	Exact	
			CLEANSE (EMAIL)	70	Exact	
Phone Number Flexible Format	Contact Point	60	EXACT	100	Exact	
Address	Address	55	WORD REPLACE + CLEANSE	70	Exact	
			WORD REPLACE + EXACT	100	Exact	
Postal Code	Address	20	EXACT	100	Exact	
Tax Registration Num	Party	80	EXACT	100	Exact	
Job Title	Contact	10	EXACT	100	Exact	
Phone Number	Contact Point	60	EXACT	100	Exact	

## DL SMART SEARCH

The DL SMART SEARCH match rule can be used for Smart Search to search for potential duplicate parties from which you create merge requests.

**See Also:** Smart Search, *Oracle Data Librarian User Guide*

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Registry ID	Party	No	EXACT
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE SOUNDEX
Party Type	Party	No	EXACT
SIC Code	Party	No	EXACT
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE
State	Address	No	WORD REPLACE + EXACT
Country	Address	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	100	WORD REPLACE + EXACT + REVERSE	100	Exact	
			SOUNDEX	70	Exact	
			WORD REPLACE + CLEANSE + REVERSE	80	Exact	
Registry ID	Party	100	EXACT	100	Exact	
Party Type	Party	10	EXACT	100	Exact	
SIC Code	Party	20	EXACT	100	Exact	
Address	Address	25	WORD REPLACE + CLEANSE	100	Exact	
City	Address	10	CLEANSE	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	

## DL SYSTEM DUPLICATE IDENTIFICATION

The DL SYSTEM DUPLICATE IDENTIFICATION match rule can be used for System Duplicate Identification to identify duplicate parties to include in SDI batches.

**See Also:** Creating System Duplicate Identification Batches,  
*Oracle Data Librarian User Guide*

**Type:** Expanded Duplicate Identification

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Registry ID	Party	No	EXACT
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE SOUNDEX
Party Type	Party	No	EXACT
SIC Code	Party	No	EXACT
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE
State	Address	No	WORD REPLACE + EXACT
Country	Address	No	EXACT

## Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	100

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation	Weight (%)	Type	Similarity (%)
Name	Party	100	WORD REPLACE + EXACT + REVERSE	100	Exact	
			SOUNDEX	70	Exact	
			WORD REPLACE + CLEANSE + REVERSE	80	Exact	
Registry ID	Party	100	EXACT	100	Exact	
Party Type	Party	10	EXACT	100	Exact	
SIC Code	Party	20	EXACT	100	Exact	
Address	Address	25	WORD REPLACE + CLEANSE	100	Exact	
City	Address	10	CLEANSE	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	

## HZ\_ORG\_ADV\_SEARCH\_RULE

The HZ\_ORG\_ADV\_SEARCH\_RULE match rule can be used for advanced searches of organizations, for example, the search in Oracle Customers Online.

**Type:** Search

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
City	Address	No	CLEANSE
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE WORD REPLACE + EXACT + REVERSE
Registry ID	Party	No	EXACT
DUNS Number	Party	No	EXACT
URL	Contact Point	No	CLEANSE (URL)
Account Number	Party	No	EXACT (NUMBER)
Taxpayer ID	Party	No	EXACT
Address	Address	No	WORD REPLACE + CLEANSE

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	60
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation	Weight (%)	Type	Similarity (%)
Name	Party	60	WORD REPLACE + CLEANSE + REVERSE	80	Exact	
			SOUNDEX	70		
			EXACT STRING	100		
Registry ID	Party	60	EXACT	100	Exact	
DUNS Number	Party	60	EXACT	100	Exact	
URL	Contact Point	60	CLEANSE (URL)	100	Exact	
Account Number	Party	60	EXACT (NUMBER)	100	Exact	
Taxpayer ID	Party	60	EXACT	100	Exact	
Phone Number	Contact Point	60	EXACT	100	Exact	
Address	Address	40	WORD REPLACE + CLEANSE	90	Exact	
			WORD REPLACE + EXACT	100		
City	Address	20	CLEANSE	100	Exact	
State	Address	20	WORD REPLACE + CLEANSE	90	Exact	
			WORD REPLACE + EXACT	100		
Province	Address	20	CLEANSE	100	Exact	
			EXACT	100		
Postal Code	Address	40	EXACT	100	Exact	
Country	Address	20	EXACT	100	Exact	

## HZ\_ORG\_SIMPLE\_SEARCH\_RULE

The HZ\_ORG\_SIMPLE\_SEARCH\_RULE match rule can be used for simple searches of organizations, for example, the search in Oracle Customers Online.

**Type:** Search

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE WORD REPLACE + EXACT + REVERSE
Registry ID	Party	No	EXACT
DUNS Number	Party	No	EXACT
URL	Contact Point	No	CLEANSE (URL)
Account Number	Party	No	EXACT (NUMBER)
Taxpayer ID	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	60
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	60	WORD REPLACE + CLEANSE + REVERSE	90	Exact	
			SOUNDEX	70	Exact	
			EXACT STRING	100	Exact	
Registry ID	Party	60	EXACT	100	Exact	
DUNS Number	Party	60	EXACT	100	Exact	
URL	Contact Point	60	CLEANSE (URL)	100	Exact	
Account Number	Party	60	EXACT (NUMBER)	100	Exact	
Taxpayer ID	Party	60	EXACT	100	Exact	

## HZ\_PERSON\_ADVANCED\_SEARCH\_MATCH\_RULE

The HZ\_PERSON\_ADVANCED\_SEARCH\_MATCH\_RULE match rule can be used for advanced searches of persons, for example, the search in Oracle Customers Online.

**Type:** Search

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE SOUNDEX
Job Title	Contact	No	EXACT
Phone Number	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)
Registry ID	Party	No	EXACT
Taxpayer ID	Party	No	EXACT
Account Number	Party	No	EXACT (NUMBER)
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE EXACT
State	Address	No	WORD REPLACE + CLEANSE WORD REPLACE + EXACT
Postal Code	Address	No	EXACT
Country	Address	No	EXACT
Province	Address	No	CLEANSE

## Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	60
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation	Weight (%)	Type	Similarity (%)
Name	Party	60	WORD REPLACE + CLEANSE + REVERSE	90	Exact	
			EXACT STRING	100	Exact	
Job Title	Contact	40	EXACT	100	Exact	
Phone Number	Contact Point	60	EXACT	100	Exact	
E-Mail Address	Contact Point	60	CLEANSE (EMAIL)	100	Exact	
			EXACT (EMAIL)	100	Exact	
Registry ID	Party	60	EXACT	100	Exact	
Taxpayer ID	Party	60	EXACT	100	Exact	
Account Number	Party	60	EXACT (NUMBER)	100	Exact	
Address	Address	40	WORD REPLACE + CLEANSE	100	Exact	
City	Address	20	CLEANSE	100	Exact	
			EXACT	100	Exact	
State	Address	20	WORD REPLACE + CLEANSE	90	Exact	
			WORD REPLACE + EXACT	100	Exact	
Province	Address	20	CLEANSE	100	Exact	

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<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
			EXACT	100	Exact	
Postal Code	Address	40	EXACT	100	Exact	
Country	Address	20	EXACT	100	Exact	

## HZ\_PERSON\_SIMPLE\_SEARCH\_RULE

The HZ\_PERSON\_SIMPLE\_SEARCH\_RULE match rule can be used for simple searches of persons, for example, the search in Oracle Customers Online.

**Type:** Search

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Account Number	Party	No	EXACT (NUMBER)
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE SOUNDEX
Job Title	Contact	No	EXACT
Phone Number	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)
Registry ID	Party	No	EXACT
Taxpayer ID	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	60
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	60	WORD REPLACE + CLEANSE + REVERSE	90	Exact	
			EXACT STRING	100	Exact	
Job Title	Contact	40	EXACT	100	Exact	
Phone Number	Contact Point	60	EXACT	100	Exact	
E-Mail Address	Contact Point	60	CLEANSE (EMAIL)	100	Exact	
			EXACT (EMAIL)	100	Exact	
Registry ID	Party	60	EXACT	100	Exact	
Taxpayer ID	Party	60	EXACT	100	Exact	
Account Number	Party	60	EXACT (NUMBER)	100	Exact	

## RM SEARCH RULE

The RM SEARCH RULE match rule is used in Relationship Manager to determine the search criteria and results when you search for the party to manage relationships for.

**See Also:** Searching for Parties and Viewing Results, *Oracle Trading Community Architecture User Guide*

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation
Registry ID	Party	No	EXACT
Name	Party	No	SOUNDEX WORD REPLACE + EXACT + REVERSE
Party Type	Party	Yes	EXACT
Taxpayer ID	Party	No	EXACT
Tax Registration Num	Party	No	EXACT
SIC Code	Party	No	EXACT
SIC Code Version	Party	No	EXACT
Contact Name	Contact	No	SOUNDEX WORD REPLACE + CLEANSE + REVERSE
Phone Number Flexible Format	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE

Attribute Name	Entity	Filter	Transformation
State	Address	No	WORD REPLACE + EXACT
Country	Address	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	400
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation	Weight (%)	Type	Similarity (%)
Name	Party	70	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	80	Exact	
			WORD REPLACE + CLEANSE + REVERSE	60	Exact	
Registry ID	Party	100	EXACT	100	Exact	
Taxpayer ID	Party	60	EXACT	100	Exact	
Tax Registration Num	Party	60	EXACT	100	Exact	
SIC Code	Party	25	EXACT	100	Exact	
SIC Code Version	Party	25	EXACT	100	Exact	
Contact Name	Contact	50	SOUNDEX	60	Exact	
			EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	80	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	

## RM SEARCH RULE

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<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Phone Number Flexible Format	Contact Point	80	EXACT	90	Exact	
E-Mail Address	Contact Point	80	CLEANSE (EMAIL)	100	Exact	
Address	Address	75	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	100	Exact	
City	Address	10	CLEANSE	100	Exact	
State	Address	5	WORD REPLACE + EXACT	100	Exact	
Country	Address	5	EXACT	100	Exact	

## SAMPLE: ADDRESS\_ORGANIZATIONS

The SAMPLE: ADDRESS\_ORGANIZATIONS match rule identifies duplicate parties of type Organization based on party name and address.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE
Postal Code	Address	No	EXACT
Party Type	Party	Yes	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	55
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Similarity	75
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	70	Exact	
DUNS Number	Party	70	EXACT	100	Exact	
Tax Registration Num	Party	70	EXACT	100	Exact	

## SAMPLE: ADDRESS\_PERSONS

The SAMPLE: ADDRESS\_PERSONS match rule identifies duplicate parties of type Person based on party name and address.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE
Postal Code	Address	No	EXACT
Party Type	Party	Yes	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	65
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	
Address	Address	60	WORD REPLACE + CLEANSE	70	Exact	
			WORD REPLACE + EXACT	100	Exact	

## SAMPLE: IDENTICAL\_ORGANIZATIONS

The SAMPLE: IDENTICAL\_ORGANIZATION match rule identifies duplicate parties of type Organization.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Tax Registration Num	Party	No	EXACT
DUNS Number	Party	No	EXACT
Party Type	Party	Yes	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	20
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation Name	Weight (%)	Type	Similarity (%)
Tax Registration Num	Party	20	EXACT	100	Exact	
DUNS Number	Party	20	EXACT	100	Exact	

## SAMPLE: IDENTICAL\_PERSON

The SAMPLE: IDENTICAL\_PERSON match rule identifies duplicate parties of type Person.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Party Type	Party	Yes	EXACT
Tax Registration Num	Party	No	EXACT
Phone Number Flexible Format	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	15
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Tax Registration Num	Party	20	EXACT	100	Exact	
Phone Number Flexible Format	Contact Point	20	EXACT	100	Exact	
E-Mail Address	Contact Point	20	EXACT (EMAIL)	100	Exact	
			CLEANSE (EMAIL)	75	Exact	

## SAMPLE: SEARCH

The SAMPLE: SEARCH match rule is for search interface based on commonly used attributes.

**Type:** Search

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE
Contact Name	Contact	No	WORD REPLACE + CLEANSE + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE
City	Address	No	CLEANSE
State	Address	No	WORD REPLACE + CLEANSE
Phone Number Flexible Format	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	300
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	
Contact Name	Contact	40	WORD REPLACE + EXACT + REVERSE	100	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	70	Exact	
City	Address	30	EXACT	100	Exact	
State	Address	20	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	70	Exact	
Phone Number Flexible Format	Contact Point	80	EXACT	100	Exact	
E-Mail Address	Contact Point	80	EXACT (EMAIL)	100	Exact	

## SAMPLE: SEARCH ADDRESS ORGANIZATIONS EXACT

The SAMPLE: SEARCH ADDRESS ORGANIZATIONS EXACT match rule is for search interfaces. The match rule is for a high performance search of addresses and organizations based only on Exact and Word Replacement transformations.

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + EXACT + REVERSE
Party Type	Party	Yes	EXACT
Postal Code	Address	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	55
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
DUNS Number	Party	70	EXACT	100	Exact	
Tax Registration Num	Party	70	EXACT	100	Exact	
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	100	Exact	
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	70	Exact	

## SAMPLE: SEARCH EXACT

The SAMPLE: SEARCH EXACT match rule is for search interfaces. The match rule is for a high performance and comprehensive search based only on Exact and Word Replacement transformations.

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Address	Address	No	WORD REPLACE + EXACT
Tax Name	Party	No	EXACT
Tax Registration Num	Party	No	EXACT
Name	Party	No	WORD REPLACE + EXACT + REVERSE
All Account Names	Party	No	WORD REPLACE + EXACT
All Account Numbers	Party	No	EXACT (NUMBER)
Party Type	Party	Yes	EXACT
Taxpayer ID	Party	No	EXACT
SIC Code	Party	No	EXACT
SIC Code Version	Party	No	EXACT
Category Code	Party	No	EXACT
City	Address	No	EXACT
Postal Code	Address	No	EXACT
Province	Address	No	EXACT
State	Address	No	WORD REPLACE + EXACT
County	Address	No	EXACT
Country	Address	No	EXACT
Contact Name	Contact	No	WORD REPLACE + EXACT + REVERSE

Attribute Name	Entity	Filter	Transformation Name
Phone Number Flexible Format	Contact Point	No	EXACT
E-Mail Address	Contact Point	No	EXACT (EMAIL)
Reference Use Flag	Party	No	EXACT
Corporation Class	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	525
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation Name	Weight (%)	Type	Similarity (%)
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	80	Exact	
Tax Name	Party	30	EXACT	100	Exact	
Name	Party	50	WORD REPLACE + EXACT + REVERSE	100	Exact	
All Account Names	Party	50	WORD REPLACE + EXACT	100	Exact	
All Account Numbers	Party	100	EXACT (NUMBER)	100	Exact	
Tax Registration Num	Party	80	EXACT	100	Exact	
Taxpayer ID	Party	100	EXACT	100	Exact	

SAMPLE: SEARCH EXACT

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
SIC Code	Party	30	EXACT	100	Exact	
SIC Code Version	Party	10	EXACT	100	Exact	
Category Code	Party	10	EXACT	100	Exact	
City	Address	30	EXACT	100	Exact	
Postal Code	Address	30	EXACT	100	Exact	
Province	Address	10	EXACT	100	Exact	
State	Address	20	WORD REPLACE + EXACT	100	Exact	
County	Address	20	EXACT	100	Exact	
Country	Address	30	EXACT	100	Exact	
Contact Name	Contact	30	WORD REPLACE + EXACT + REVERSE	90	Exact	
			EXACT STRING	100	Exact	
Phone Number Flexible Format	Contact Point	70	EXACT	100	Exact	
E-Mail Address	Contact Point	70	EXACT (EMAIL)	100	Exact	
Reference Use Flag	Party	20	EXACT	100	Exact	
Corporation Class	Party	30	EXACT	100	Exact	

## SAMPLE: SEARCH SIMILAR ORGANIZATION EXACT

The SAMPLE: SEARCH SIMILAR ORGANIZATION EXACT match rule is for search interfaces. The match rule is for a high performance search of similar organizations based only on Exact and Word Replacement transformations.

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
DUNS Number	Party	No	EXACT
Tax Registration Num	Party	No	EXACT
Name	Party	No	WORD REPLACE + EXACT + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE
Postal Code	Address	No	EXACT
Contact Name	Contact	No	WORD REPLACE + EXACT + REVERSE
Phone Number Flexible Format	Contact Point	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	

SAMPLE: SEARCH SIMILAR ORGANIZATION EXACT

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation Name	Weight (%)	Type	Similarity (%)
DUNS Number	Party	100	EXACT	100	Exact	
Tax Registration Num	Party	100	EXACT	100	Exact	
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
SIC Code	Party	20	EXACT	100	Exact	
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	80	Exact	
Postal Code	Address	20	EXACT	100	Exact	
Contact Name	Contact	30	WORD REPLACE + EXACT + REVERSE	90	Exact	
			EXACT STRING	100	Exact	
Phone Number Flexible Format	Contact Point	65	EXACT	100	Exact	

## SAMPLE: SEARCH SIMILAR PERSON EXACT

The SAMPLE: SEARCH SIMILAR PERSON EXACT match rule is for search interfaces. The match rule is for a high performance search of similar persons based only on Exact and Word Replacement transformations.

**Type:** Search

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Tax Registration Num	Party	No	EXACT
Name	Party	No	WORD REPLACE + EXACT + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE
Postal Code	Address	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Postal Code	Address	20	EXACT	100	Exact	
Phone Number Flexible Format	Contact Point	65	EXACT	100	Exact	
Tax Registration Num	Party	100	EXACT	100	Exact	
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	100	Exact	
Address	Address	60	WORD REPLACE + EXACT	100	Exact	
			WORD REPLACE + CLEANSE	80	Exact	
E-Mail Address	Contact Point	65	CLEANSE (EMAIL)	70	Exact	
			EXACT (EMAIL)	100	Exact	

## SAMPLE: SIMILAR\_ORGANIZATION

The SAMPLE: SIMILAR\_ORGANIZATION match rule identifies duplicate parties of type Organization that have similar names, addresses, contacts, or contact points.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match Any Attribute

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + CLEANSE + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE
Postal Code	Address	No	EXACT
DUNS Number	Party	No	EXACT
Tax Registration Num	Party	No	EXACT
Phone Number Flexible Format	Contact Point	No	EXACT
Contact Name	Contact	No	WORD REPLACE + CLEANSE + REVERSE

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

<b>Attribute Name</b>	<b>Entity</b>	<b>Score</b>	<b>Transformation Name</b>	<b>Weight (%)</b>	<b>Type</b>	<b>Similarity (%)</b>
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	
Address	Address	60	WORD REPLACE + CLEANSE	80	Exact	
			WORD REPLACE + EXACT	100	Exact	
Contact Name	Contact	30	WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	70	Exact	
			EXACT STRING	100	Exact	
DUNS Number	Party	100	Exact	100	Exact	
Tax Registration Num	Party	100	Exact	100	Exact	
Phone Number Flexible Format	Contact Point	65	Exact	100	Exact	
SIC Code	Party	20	Exact	100	Exact	
Postal Code	Address	20	Exact	100	Exact	

## SAMPLE: SIMILAR\_PERSON

The SAMPLE: SIMILAR\_PERSON match rule identifies duplicate parties of type Person that have similar names, address, or contact points.

**Type:** Expanded Duplicate Identification

**Search Operator:** Match All Attributes

### Acquisition

This table shows the seeded attributes and transformations for the acquisition part of the matching process.

Attribute Name	Entity	Filter	Transformation Name
Name	Party	No	WORD REPLACE + EXACT + REVERSE
Address	Address	No	WORD REPLACE + CLEANSE + REVERSE
Postal Code	Address	No	EXACT
E-Mail Address	Contact Point	No	CLEANSE (EMAIL)
Tax Registration Num	Party	No	EXACT

### Scoring

This table shows the seeded thresholds for the scoring part of the matching process.

Threshold	Value
Match Threshold	100
Override Threshold	
Automatic Merge Threshold	

This table shows the seeded attributes and transformations for the scoring part of the matching process.

Attribute Name	Entity	Score	Transformation Name	Weight (%)	Type	Similarity (%)
Name	Party	50	EXACT STRING	100	Exact	
			WORD REPLACE + EXACT + REVERSE	90	Exact	
			WORD REPLACE + CLEANSE + REVERSE	60	Similarity	75
E-Mail Address	Contact Point	65	EXACT (EMAIL)	100	Exact	
			CLEANSE (EMAIL)	70	Exact	
Phone Number Flexible Format	Contact Point	65	EXACT	100	Exact	
Address	Address	60	WORD REPLACE + CLEANSE	70	Exact	
			WORD REPLACE + EXACT	100	Exact	
Postal Code	Address	20	Exact	100	Exact	
Tax Registration Num	Party	100	Exact	100	Exact	