GLOBAL RADAR®

ASSURING INTEGRITY

LIST CHECK METHODOLOGY

A guide to algorithms and matching

INTRODUCTION
SANCTIONS SCREENING

Conducting client and name searches should not be a lengthy and tedious process. Global RADAR® consolidates multiple databases into one easy to navigate and accessible format for your convenience.

Global RADAR® provides users with an array of search options in order to yield the most thorough and accurate word matches. Our algorithms ensure that all potential matches, including results with different spellings but similar pronunciations, will be reported back to you.

The Global RADAR® database facilitates the onboarding process of new clients. Any possible matches detected by a name search will be reported, escalated, and managed for clearing.

Conducting client and name searches should not be a lengthy and tedious process. Global RADAR® consolidates multiple databases into one easy to navigate and accessible format for your convenience. Search engines built into the Global RADAR® database automatically filter through thousands of unrelated links in order to provide the user with the most relevant information related to AML compliance.

EXECUTIVE SUMMARY

"As requirements continue to increase, and resources decrease, we decided to use the premier solution that could meet our screening needs with maximized staffing efficiency. Global RADAR was the only solution which met all our needs and ensured with complied with regulatory expectations."

Franco Cisne
EFG International

EFG International

When a name is entered into the Global RADAR® application, a search is conducted for any possible matches. A match will be automatically reported to the compliance department for further inspection.

The user has the ability to search for alias's, names with alternative spelling styles, names with varying phonetics, and more. Our algorithms are set to produce search results with high percentages of similarity based on word count, word order, single letters, English pronunciation, and other determining factors.

Global RADAR® also features a selection of lists that users may implement in order to conduct searches with more precision. Users may sort through data and select what information to include and exclude from their word searches using the

"BlackList" and Excluded Words features. When enabled, these features function automatically to make searching for particular results quicker and simpler.

Global RADAR® provides users with three methods to search for possible word matches. The algorithms detect the most specific and exact name matches, and similar names that may vary in spelling and pronunciation.

The following information concerns the specifics of each search method and explains how the user should go about conducting their name searches. This information will also cover what the user can expect and what kind of information a name search will yield.

Search methods are formatted to yield the most precise potential matches. Global RADAR® offers search customization features in order to make name searching easier, quicker, and more reliable.

LIST INDEX METHODOLOGY

EXACT MATCH

The Exact Match search method will yield the most basic and precise name results. Exact Match tests for a completely perfect match on the words provided in the search, therefore an Exact Match must match all words, including the number of words, and single letters.

AN EFFECTIVE SANCTIONS SCREENING SYSTEM IS AN IMPORTANT COMPONENT OF ANY STRONG AML COMPLIANCE PROGRAM.

VARIATION

The Variation search method is best for finding substrings. For example, the "LIKE" operator will find the word OMIN inside of the word DOMINIC. This search method will also yield results of names with single letters only. Results will show a perfect match to all of the names and single letters searched by the user.

FUZZY

The Fuzzy search method will find a distant match according to variations in English pronunciation. A 1 to 2 word search will only show a match with results of the same number of words. A 3 to 4 word search may yield results that are one word less than the original search.

DISTANCE

The Distance search method will check for variations in spelling. Single letters and words with 3 characters or less will be excluded from the search. Words with more than 4 characters will show a match if a search result matches within 85% of similarity. Similar to the Fuzzy Match, a 1 to 2 word search will only show a match with results of the same number of words. A 3 to 4 word search may yield results that are one word less than the original search.

AUTOMATIC ADJUSTMENTS

When the user submits their search, Global RADAR® software will automatically make minor but crucial adjustments in order to expand the word search threshold. These minor adjustments will not negatively affect the success of the name search, but rather, will increase the likelihood of a similar word or name, and words or names which are formatted differently from the entered search, show up in the search results.

The adjustments of search results are as follows:

DATA PREPARATION

All punctuation from the search will be automatically removed, including single quotes and hyphens. All letters will be converted to lowercase. Diacritic letters will be replaced with non-diacritic letters.

Example: "André, 'R' Éthier" will be searched as "andre r ethier".

SINGLE LETTERS

Single letters will be included or excluded depending on the search method, as described above.

- Exact Match - Single letters must completely match.

- Variation Match - All words must begin with the same letters, including single letters.

- Fuzzy Match - All words, excluding single letters, must sound the same. Names must have words that start by one or more of the single letters.

- Distance Match – Names must have words that start by one or more of the single letters.

DATA PREPARATION

Words found must all be from the same origin: Person Name, Person AKA, Person Identification, Entity Name, Entity AKA, or Entity Identification.

Example: A word search formatted as PersonName will only include results formatted as PersonName. A word search formatted as PersonAKA will only yield results formatted as PersonAKA, and so on.

DATA PREPARATION

Duplicate words are removed from the search.

USER ADJUSTMENTS

ALIASES

Use of aliases is permitted but recommended only for aliases marked as "strong" from the list provider if available.

EXCLUDED WORDS

The user can exclude any words from their word search. Therefore, a word search with five words of which four of the five words are on the excluded word list, will yield a result of one word.

Example: A search for THE BANK OF AMERICA could yield a search result of no words, if the user has placed all of the words "the," "bank," "of," "America," on the excluded words list.

CUSTOMER BLACKLIST / CUSTOM DENIAL LIST

DATA PREPARATION

Users may choose to implement a

"Customer BlackList" by creating and uploading a file of names which will automatically be deleted prior to importing. This option will render imported data more specific. Only data selected for removal on the BlackList will be automatically excluded.

In order to import data, the simplest option for the user is to use the "Access 2016" database, which is already set up internally in the Global RADAR® system. The user may also use Microsoft Excel to produce a CSV file, but making use of the "Access 2016" database is highly recommended for quicker processing. The file created by the user must respect the formatting specificities described below.

Note: When choosing to deselect the BlackList option for a particular name, this particular name should not be deleted from the BlackList section. Rather, the user should select that the name be

"Deactivated" rather than "Activated." The deselect option is listed in the "IsActive" column.

FILE SPECIFICATIONS

In order to import data to the "BlackList" database, the user should ensure that the data adheres to the following file specifications:

•   Files must use the CSV extension with quotes for text fields and a comma as a separator.

•   Files should be saved using the UTF-8 characters set if using diacritics.

•   The header columns must be present.

•   The first like must contain the following: "LastUpdated.yyyy/MM/dd".

Note: This date will be used to display the "Last Published Date" in the left sidebar gizmo for the "BlackList"

•   The file must conform to RFC 4180. Information may be found at: https://tools.ietf.org/html/rfc4180.

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