

IRI OFAC Search Fuzzy Match Requirement Document

International Registries, Inc.

**Document Control Information**

**Document Information**

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| Document Identification | <Insert document ID, if applicable> |
| **Document Name** | IRI Deceased Flag Requirement Document |
|  |  |
| **Project Name** | Oracle Watchlist Screening (OWS) |
| **Client** | IRI |
| **Document Author** | Priyank Chauhan |
| **Document Version** | 0.0 |
| **Document Status** |  |
| **Date Released** |  |

**Document Edit History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Additions/Modifications | Prepared/Revised by |
| 0.0 | November, 2022 | Draft version | Priyank Chauhan |
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**Document Review/Approval History**

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| --- | --- | --- | --- |
| Date | Name | Organization/Title | Comments |
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# Overview

International Registries, Inc. (IRI) is using Oracle Watch List Screening Solution. Oracle has implemented the Watchlist Management and Watchlist Screening (3 bucket solution) Solutions. Inspirage is engaged with IRI for development and support of OWS solution. Inspirage is helping with enhancement and optimization of current solution.  
  
Inspirage has been engaged by IRI for requirement gathering and solution design for OFAC Search Fuzzy Match Solution. We are adding few new fuzzy match rules to OFAC Search Solution. These fuzzy match rules will help us in Individual non-exact similar matching names with existing exact matching names.

# Business Requirements

We developed SDN Watchlist Screening for OFAC Search solution. In current OFAC Search, both Entity and Individual match results are based on exact match technique. Now we have requirement to use fuzzy match technique with exact match for Individual match. So, we will add fuzzy match rules for Individual match to identify non-exact similar matches. No changes required for entity match, we will still use existing exact match technique only.

# Matching Logic

These fuzzy match rules will help us identifying non-exact similar matches. For that We will add few more match comparison of first name, middle name and last name. Fuzzy match result will be considering Name spelling variation, typo tolerant name, Additional names, one character variation, Abbreviated name, Names in any order.

# Results

**Current Results (Exact Matches)**

|  |  |
| --- | --- |
| OFAC Name | EBS Party Name |
| CHIN SUNG CHANG | CHIN-SHENG CHANG |
| AUNG HEIN | AUNG HEIN |
| ALEKSANDR KALASHNIKOV | ALEKSANDR KALASHNIKOV |
| STANISLAV VOROBEV | STANISLAV VOROBIOV |
| AUNG PYAE SONE | AUNG PYAE SONE |
| ABU HASSAN | ABU HASSAN |
| HEIN HTET | HEIN HTET |
| THAN OO | THAN OO |
| AUNG AUNG | AUNG AUNG |
| SOE WIN | SOE WIN |
| IVAN IVANOVICH MELNIKOV | IVAN IVANOVICH MELNIKOV |
| ABDUL HADI | ABDUL HADI |

**Expected Results (Exact and Fuzzy Matches)**

|  |  |
| --- | --- |
| OFAC Name | EBS Party Name |
| CHIN SUNG CHANG | CHIN-SHENG CHANG |
| CHIN SUNG CHANG | CHIN-SHENG CHENG |
| ALEKSANDR KALASHNIKOV | ALEKSANDR KALASHNIKOV |
| STANISLAV VOROBEV | STANISLAV VOROBIOV |
| MUHAMMAD ALI | MOHAMMED ALI |
| MUHAMMAD ALI | SHEIKH MOHAMMED ALI |
| HEIN HTET | HEN HTET |
| THAN OO | THAN LI OO |
| AUNG AUNG | AUNG |
| SO WIN | SOE WIN |
| IVAN IVANOVICH MELNIKOV | IVAN MELNIKOV |
| Dr ABDUL HADI | ABDUL HADI |