

Name Matching Customer

Automatically compare customer data with sanctions and PEP lists, implement machine learning procedures, reduce compliance risks



Key Features

- Automated testing against official, commercial and internal blacklists with the ACTICO Software, Name Matching Customer (NMC)
- High performance with large amounts of data
- Integration of individual tests into other applications
- Recognition of different spellings with fuzzy analyses
- Definition of exceptions through whitelist functionality
- Audit-proof documentation
- **New:** Using Machine Learning for sanctions lists checks

KYC & Customer Due Diligence in the financial industry

There are customers who require a high degree of diligence and customers whom you would do better without.

A business relationship with sanctioned or politically exposed persons (PEPs) involves special risks. Banks and insurance companies are therefore obliged to check new and existing customers. They must rule out the possibility of criminals or members of a terrorist organization being in their customer base, and they must know and label PEPs and celebrities.

Comparing customer data with sanctions lists

The Name Matching Customer (NMC) software checks customer data against sanctions list entries. Official lists (e.g. EU or OFAC) or lists from commercial providers such as Thomson Reuters (World-Check), Info4C, LexisNexis (WorldCompliance) are equally suitable. Similarities in names, alias names and other spellings as well as birth dates and country information such as the person's nationality or domicile are compared against the databases.

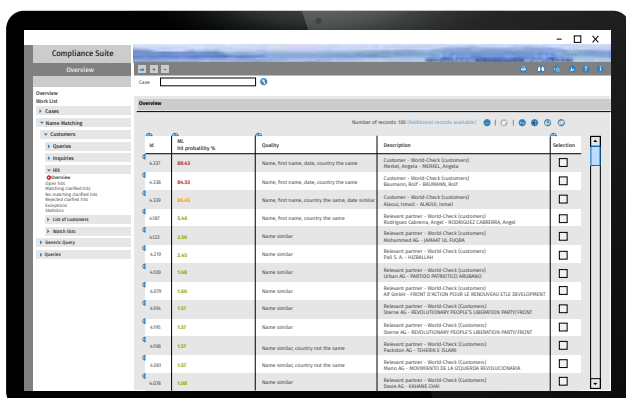
Ensure Know Your Customer (KYC) permanently

NMC checks data regularly. This ensures that persons who have been placed on one of the blacklists in the course of the business relationship are also identified.

Improving efficiency: Assess hits using ACTICO Machine Learning

ACTICO Machine Learning combines the sanctions lists check with machine learning procedures. This approach combines the best of both worlds:

- 1) Transparent generation of hits by the software, Name Matching Customer (NMC)
- 2) Adding machine learning to evaluate hits with methods from the field of artificial intelligence



Prioritization of clarifications through machine learning

Name Matching Customer generates hits when matches are found between customer data and sanctions lists. In the second step, Machine Learning models are used to determine the probability of hits. It indicates how high the probability is that a hit is a true positive. The lower the probability, the lower the priority in the clarification.

Reliably identify high compliance risks

The Compliance Officer receives a clear indication, which hits must be processed first. Personnel resources can thus be used more effectively to assess and reduce compliance risks.

ACTICO Machine Learning out-of-the-box

In order to optimize the clarifications, NMC comes with already tested machine learning models that can be used out-of-the-box.

ACTICO Machine Learning advanced

In addition to out-of-the-box models, banks, insurance companies and financial service providers have the opportunity to train company-specific models themselves. Out-of-the-box models can thus be supplemented with individual models. The use of Machine Learning makes compliance decisions even more precise and efficient thereby reducing the effort required for clarification by up to 70%.

The screenshot shows the 'Compliance Suite' interface. On the left is a navigation menu with options like 'Overview', 'Work List', 'Cases', 'Name Matching', 'Customers', 'Queries', 'Inquiries', and 'Hit'. The main area displays a table of results. Two blue annotations with arrows point to specific parts of the table: 'Hit probability in %' points to the 'ML hit probability %' column, and 'Detailed description of the hit' points to the 'Description' column.

Id	ML hit probability %	Quality	Description	Selection
4.337	89.43	Name, first name, date, country the same	Customer - World-Check (customers) Merkel, Angela - MERKEL, Angela	<input type="checkbox"/>
4.338	84.53	Name, first name, date, country the same	Customer - World-Check (customers) Baumann, Rolf - BAUMANN, Rolf	<input type="checkbox"/>
4.339	86.45	Name, first name, country the same, date similar	Customer - World-Check (customers) Alaoui, Ismail - ALAOUI, Ismail	<input type="checkbox"/>
4.187	5.46	Name, first name, country the same	Relevant partner - World-Check (customers) Rodriguez Cabrera, Angel - RODRIGUEZ CABRERA, Angel	<input type="checkbox"/>
4.123	2.50	Name similar	Relevant partner - World-Check (customers) Mohammed AG - JAMAAT UL FUQRA	<input type="checkbox"/>
4.219	2.45	Name similar	Relevant partner - World-Check (customers) Pall S. A. - HIZBALLAH	<input type="checkbox"/>
4.100	1.68	Name similar	Relevant partner - World-Check (customers) Urban AG - PARTIDO PATRIOTICO ARUBANO	<input type="checkbox"/>
4.079	1.60	Name similar	Relevant partner - World-Check (customers) Alf GmbH - FRONT D'ACTION POUR LE RENOUVEAU ETLE DEVELOPMENT	<input type="checkbox"/>
4.104	1.57	Name similar	Relevant partner - World-Check (Customers) Sterne AG - REVOLUTIONARY PEOPLE'S LIBERATION PARTY/Front	<input type="checkbox"/>
4.195	1.57	Name similar	Relevant partner - World-Check (Customers) Sterne AG - REVOLUTIONARY PEOPLE'S LIBERATION PARTY/Front	<input type="checkbox"/>
4.198	1.57	Name similar, country not the same	Relevant partner - World-Check (Customers) Packston AG - TEHERIK E ISLAMI	<input type="checkbox"/>
4.061	1.57	Name similar, country not the same	Relevant partner - World-Check (Customers) Mario AG - MOVIMIENTO DE LA IZQUIERDA REVOLUCIONARIA	<input type="checkbox"/>
4.078	1.08	Name similar	Relevant partner - World-Check (Customers) Davie AG - KAHANE CHAI	<input type="checkbox"/>

Quality of matching characteristics between customer data & sanctions list entry

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