

Firco Automated Alert Reduction

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Firco Automated Alert Reduction

Leverage artificial intelligence (AI) techniques to improve entity matching, eliminate mass alerts and establish prioritization of risk.

A secondary screening engine and surveillance tool, it enables you to identify Politically Exposed Persons (PEPs) and Reputationally Exposed Persons (REPs). Using AI techniques to explore patterns of interaction, uncover non-obvious relationships and flag anomalies, Firco Automated Alert Reduction (AAR) delivers significant improvements in false positives and hit rates to help mitigate risk. By ranking or scoring true and probable matches by 'severity' you can gain a clear view of what is the potential largest risk to your bank.



The Account Screening Challenge

Validating customer databases against sanction lists, PEPs, REPs and other lists can generate hundreds of thousands of alerts. Manually assessing each alert to determine accuracy, quality, potential risk, and whether or not further investigation is required, can significantly drain compliance resources.

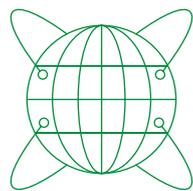


Assess your current challenges with account screening

- How many unique entities are you screening per week?
- How many different lists are you screening against? For example: sanctions lists, PEPs, REPs and private lists
- What is your current hit rate? How many false positive hits do you get a month and per year?
- How often is your whole database of customers screened? And how frequently do you screen new customers?
- How many people in your team are involved in reviewing and dispositioning hits?
- What are the business implications when there are delays to screening or decision making?



The importance of quality data



Firco enhanced data
(supported by)
WorldCompliance™



Data categories:

- Sanctions Lists
- Sanctions Associated Entities
- Enforcement Actions
- Politically Exposed Persons
- State Owned Enterprises
- Adverse Media
- Marijuana Registered Businesses
- Registrations Data
- FATCA Foreign Financial Institutions
- Money Services Businesses
- IHS Registered Vessels



Content:

- The data profiles include critical identifiers such as:
 - Date of birth and place of birth
 - National ID numbers
 - Native script names
- Intelligence units on five continents
- This global dataset is updated on a daily basis



Delivery:

- Frequency: Download daily and weekly
- File Formats: XML and Text Delimited

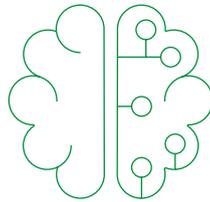


Our AI techniques

Accuity applies AI techniques to its patented risk ranking methodology and probability scoring to identify—and prioritize—matches with the highest risk and most severe consequences. This powerful combination of applications has a profound effect on results by increasing accuracy, eliminating false negatives and substantially decreasing false positives.

1

The probability of two records being a true hit based on the Strength Index



2

The predicted level of interest based on the Exposure Index severity ranking

Machine Learning focuses on retention of analyst decisions on true hits. This ensures users are not receiving information the analyst is already aware of.



Two unique capabilities

Firco Automated Alert Reduction comprises two unique capabilities, Strength Index and Exposure Index. Together, they form a powerful core that facilitates data matching. Alerts with the most severe consequences and greatest relevance are easily identified and flagged for immediate attention.

Probability/Severity of Alerts

Open	Hist.	Alert	Reference Name	Customer Name	SI	EI	# Hits	Tags
Open	History	1	ARSALAN RAHMATI MOHAMMAD	ARSALAN RAHMATI MOHAMMAD	7	100	1	EXP
Open	History	1	RANDOLPH COOPER	RANDOLPH COOPER	8	100	1	EXP
Open	History	1	NASR SAHRI M	NASR SAHRI M	26	100	1	Sanction
Open	History	1	MAKEL VLADIMIR VLADIMIROVICH	MAKEL VLADIMIR VLADIMIROVICH	14	100	1	EXP
Open	History	1	AL QADAFI MOHAMMED MUHAM...	AL QADAFI MOHAMMED MUHAM...	7	100	1	Sanction
Open	History	1	JINPING XI	JINPING XI	3	100	1	EXP
Open	History	1	AJIT JOGI	AJIT JOGI	21	100	1	EXP
Open	History	1	MAYA VILLAZON EDGARDO JOSE	MAYA VILLAZON EDGARDO JOSE	14	100	1	EXP
Open	History	1	TIN HUANG	TIN HUANG	0	100	1	EXP
Open	History	1	RUNG HUANG	RUNG HUANG	1	100	1	EXP
Open	History	1	MOHAMMAD HOMAYOON MOHA	MOHAMMAD HOMAYOON MOHA	14	100	1	EXP
Open	History	1	DOST MOHAMMAD	DOST MOHAMMAD	3	100	1	EXP
Open	History	1	ZEVULUN ORLEV	ZEVULUN ORLEV	13	100	1	EXP
Open	History	1	HOBBE DZINZI	HOBBE DZINZI	13	100	1	EXP
Open	History	1	DIEGO ALEXANDER GALINDO HE	DIEGO ALEXANDER GALINDO HE	11	100	1	Sanction
Open	History	1	SERGIO HUMBERTO RAMIREZ A.	SERGIO HUMBERTO RAMIREZ A.	9	100	1	Sanction
Open	History	1	JADRE RODRIGUEZ MONDRAGON	JADRE RODRIGUEZ MONDRAGON	10	100	1	EXP
Open	History	1	STELLA HERRERA BUITRAGO	STELLA HERRERA BUITRAGO	12	100	1	Sanction
Open	History	1	YORKE JOSEPH HUBSTER JR	YORKE JOSEPH HUBSTER JR	14	100	1	EXP
Open	History	1	OSIELLE HERRERA RAMIREZ	OSIELLE HERRERA RAMIREZ	1	100	1	Sanction
Open	History	1	RIFAAT AL ASSAD	RIFAAT AL ASSAD	16	100	1	EXP
Open	History	1	ASSEF SHAIKAT	ASSEF SHAIKAT	6	100	1	Sanction
Open	History	1	SANDH THIENHONG	SANDH THIENHONG	13	100	1	EXP
Open	History	1	RICARDO JOSE RIBEIRO BERZOL	RICARDO JOSE RIBEIRO BERZOL	14	100	1	EXP
Open	History	1	ROBERTO JEFFERSON MONTEIR	ROBERTO JEFFERSON MONTEIR	22	100	1	EXP
Open	History	1	HAMILTON HTHUTHUZELI HLELA	HAMILTON HTHUTHUZELI HLELA	8	100	1	EXP
Open	History	1	NICHELE GILDERNEW	NICHELE GILDERNEW	10	100	1	EXP
Open	History	1	DIANA BEATRIZ CONTI	DIANA BEATRIZ CONTI	11	100	1	EXP
Open	History	1	VELITZE DE JESUS SANTABELLA M.	VELITZE DE JESUS SANTABELLA M.	14	100	1	EXP
Open	History	1	ATHANAGE GABRIELU	ATHANAGE GABRIELU	8	100	1	EXP



Strength index (SI)

An alert scoring and prioritization framework that helps answer the question, "What is the probability that this is a true match?" To determine the likelihood that any two records refer to the same person or entity, SI considers various factors and data points, such as name frequency, date of birth, nationality and other information. AI techniques and other advanced technology increase accuracy and are used to develop a score based on the probability that a match is really a match. The higher the SI score, the higher the probability of truth.



Exposure index (EI)

The Accuity patented methodology for ranking the relative political and criminal exposure of individuals and entities in reference databases. An automated, daily process, EI offers a precise and auditable solution that prioritizes hierarchy of risk. The EI helps you answer the question, "If this match is our customer, how much could this impact our institution?" The data is graphically displayed in a scatter plot to easily segregate results, and enables you to identify high-risk matches with confidence, discard non-matches, and present a manageable number of alerts for adjudication.



Increase your organisation's efficiency

An efficient, cost-effective solution that enables you to quickly and reliably identify risk. Using AI techniques and proprietary algorithms for severity and probability, it improves the accuracy and relevance of matches. It prioritizes alerts with the highest risk reducing false positives to improve operational efficiency and provide the optimal balance of risk mitigation and alert management:

- ✓ Patented risk-ranking methodology measures daily exposure
- ✓ Alert scoring based on probability of a match dramatically improves relevance
- ✓ Model validation that is accessible and up-to-date for regulatory review
- ✓ User-defined thresholds based on your risk appetite

To learn more about **Firco Automated Alert Reduction** and the full Fircosoft portfolio of financial crime screening solutions, visit www.accuity.com.



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Part of RELX Group, a world-leading provider of information and analytics for professional and business customers across industries, Accuity has been delivering solutions to banks and businesses worldwide for 180 years.