FALCON

Fighting Corruption & Organised Crime

Deliverable D5.1
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Abstract: This document provides a preliminary overview of the tools being developed under Work Package 5 (WP5) of the FALCON project, aimed at enhancing anti-corruption efforts through innovative technologies. The deliverable outlines the development of three key tools: the Advanced Corruption Risk Assessment (ACRA) tool, the Predictive Analytics Tool, and the FALCON Dashboard and Pattern Analysis Tool. These tools are designed to support Law Enforcement Agencies (LEAs) and Anti-Corruption Authorities by offering real-time risk assessments, predictive insights into potential corruption cases, and decision-making support through pattern analysis. As the first version of the "Risk Assessment, Investigation, and Decision Support Toolset" this document lays the groundwork for future enhancements that will be detailed in subsequent project deliverables.

Executive Summary

This document provides an overview of the tools being developed as part of Work Package 5 (WP5) within the FALCON project, which is focused on advancing anti-corruption efforts through innovative technologies. The deliverable details the scope and structure of the tools, their relevance to the broader FALCON project, and their potential impact on Law Enforcement Agencies (LEAs) and Anti-Corruption Authorities.

The document begins by establishing the importance of this deliverable within the FALCON project, connecting it to other Work Packages and highlighting its contribution to the overall goals of enhancing anti-corruption strategies. The scope of the project is contextualized within the European Union's broader fight against corruption, and this connection is further reinforced by an analysis of various initiatives and strategies employed across EU countries.

A detailed exploration of corruption in the EU is presented, including a definition of the term and an examination of the corruption index, with a focus on data related to EU countries. Additionally, the document discusses AI-based tools that governments are currently utilizing to combat corruption, showcasing the importance of leveraging advanced technology in this field.

The core of the document centres on the three key tools being developed within WP5. These tools are designed to provide real-time analysis, predictive insights, and decision-support capabilities tailored to the needs of LEAs and Anti-Corruption Authorities.

1. The **Advanced Corruption Risk Assessment (ACRA)** tool offers real-time analysis and comprehensive risk assessments, enabling authorities to identify and address corruption risks effectively.
2. The **Predictive Analytics Tool** focuses on forecasting potential instances of single bidding at the outset of tender processes, allowing for pre-emptive measures to mitigate corruption risks.
3. The **FALCON Dashboard and Pattern Analysis Tool** is designed to assist investigators by visualizing and analysing patterns within corruption cases, supporting informed decision-making throughout the investigative process.

These tools, developed under WP5, represent significant advancements in the fight against corruption and organized crime, leveraging cutting-edge technology to enhance the capabilities of anti-corruption authorities.

In summary, this document outlines the development of sophisticated tools under WP5 of the FALCON project, emphasizing their potential to significantly enhance the ability of LEAs and Anti-Corruption Authorities to combat corruption through real-time

analysis, risk assessment, and predictive analytics. This document represents Version 1 of the "Risk Assessment, Investigation, and Decision Support Toolset." Further details and advancements will be presented in the subsequent two documents that will be released as part of the ongoing project.