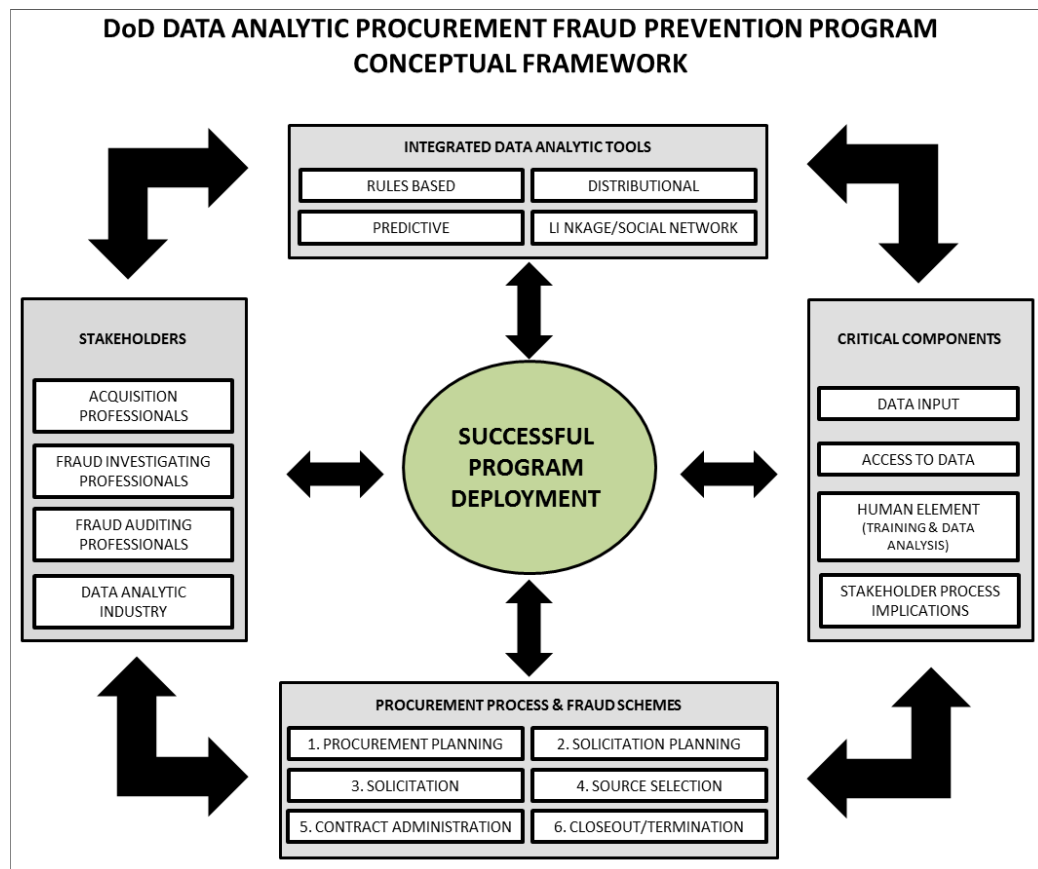## Data Analytic Program Deployment

Procurement fraud, and the battle to prevent it, wastes critical DoD resources of money, manpower, and time. The currently employed process of procurement fraud prevention is an antiquated system of reactive discovery after the fraudulent activity has already occurred, or reliance on insider whistle-blowing to alert the government of fraudulent activity. The use of technology is a driving force in the commercial sector's battle to prevent procurement fraud, and data analytics is the tool being utilized to fight this battle.

DoD DATA ANALYTIC PROCUREMENT FRAUD PREVENTION PROGRAM CONCEPTUAL FRAMEWORK

INTEGRATED DATA ANALYTIC TOOLS

RULES BASED	DISTRIBUTIONAL
PREDICTIVE	LI NKAGE/SOCIAL NETWORK

STAKEHOLDERS

- ACQUISITION PROFESSIONALS
- FRAUD INVESTIGATING PROFESSIONALS
- FRAUD AUDITING PROFESSIONALS
- DATA ANALYTIC INDUSTRY

SUCCESSFUL PROGRAM DEPLOYMENT

CRITICAL COMPONENTS

- DATA INPUT
- ACCESS TO DATA
- HUMAN ELEMENT (TRAINING & DATA ANALYSIS)
- STAKEHOLDER PROCESS IMPLICATIONS

PROCUREMENT PROCESS & FRAUD SCHEMES

1. PROCUREMENT PLANNING	2. SOLICITATION PLANNING
3. SOLICITATION	4. SOURCE SELECTION
5. CONTRACT ADMINISTRATION	6. CLOSEOUT/TERMINATION

Predicted Findings

- *Fraud is a critical risk embedded in the federal procurement process.*

- *Data analytics is a recognized tool in creating value from vast amounts of data generated in today's digital world.*

- *Integrated data analytics tools can be applied to federal procurement fraud as a proactive approach to fraud detection and prevention.*