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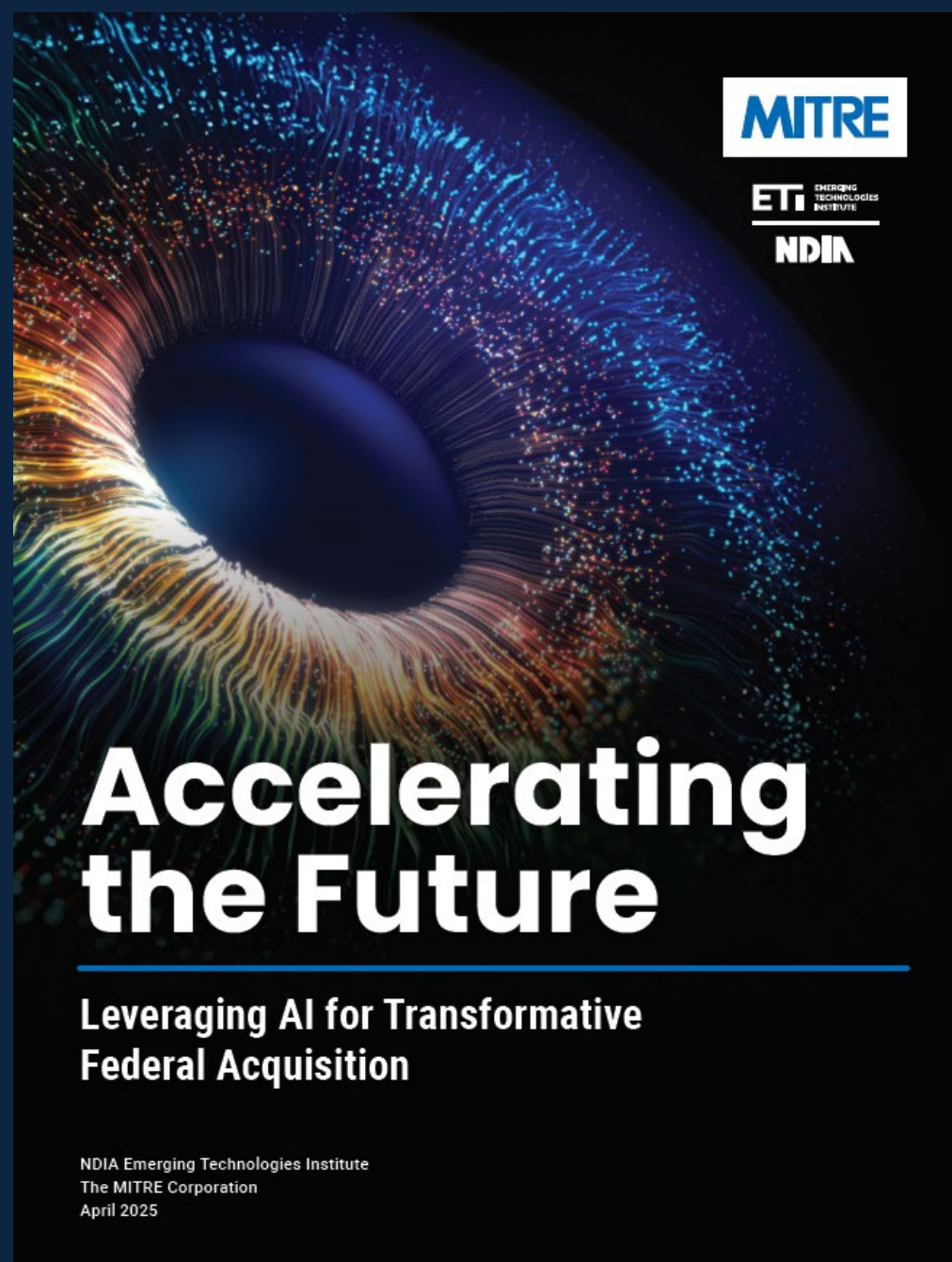
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MITRE

**SOLVING PROBLEMS
FOR A SAFER WORLD®**

Overview

Breaking down the Acquisition Lifecycle



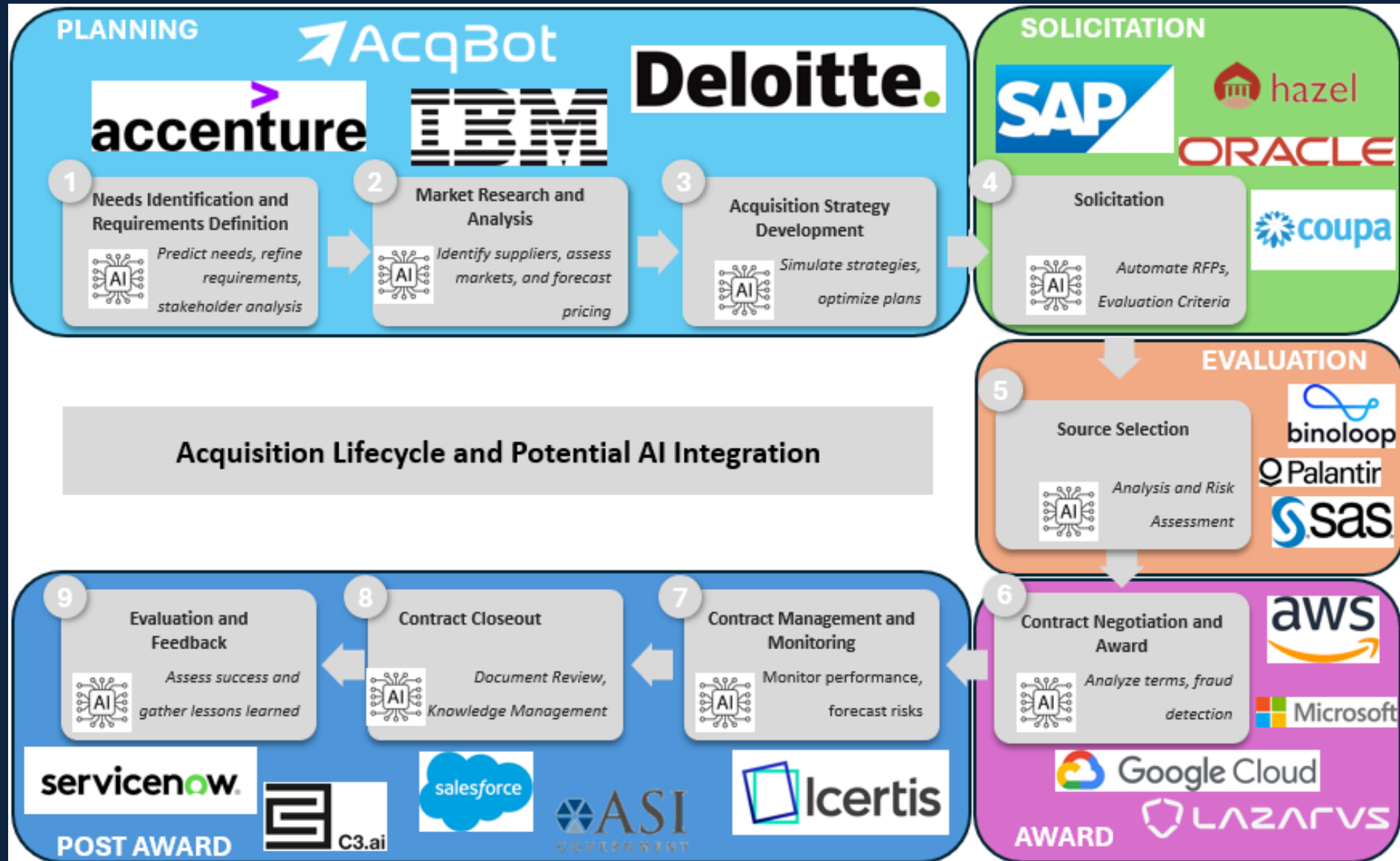
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graph TD; A[Breaking down the Acquisition Lifecycle] --> B[Barriers to implementation]; B --> C[Considerations for AI integration]; C --> D[Recommendations for Success]
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Barriers to implementation

Considerations for AI integration

Recommendations for Success

Acquisition Lifecycle Tools



Barriers to Implementation

1

Data Quality and Ownership

The quality and completeness of data available for analysis, refining algorithms, and for use to support machine learning profoundly impacts the effectiveness of AI applications.

2

Security Compliance & ATO

Waiting for an ATO and working through assessments is often the longest step in deploying software.

3

Education and Training

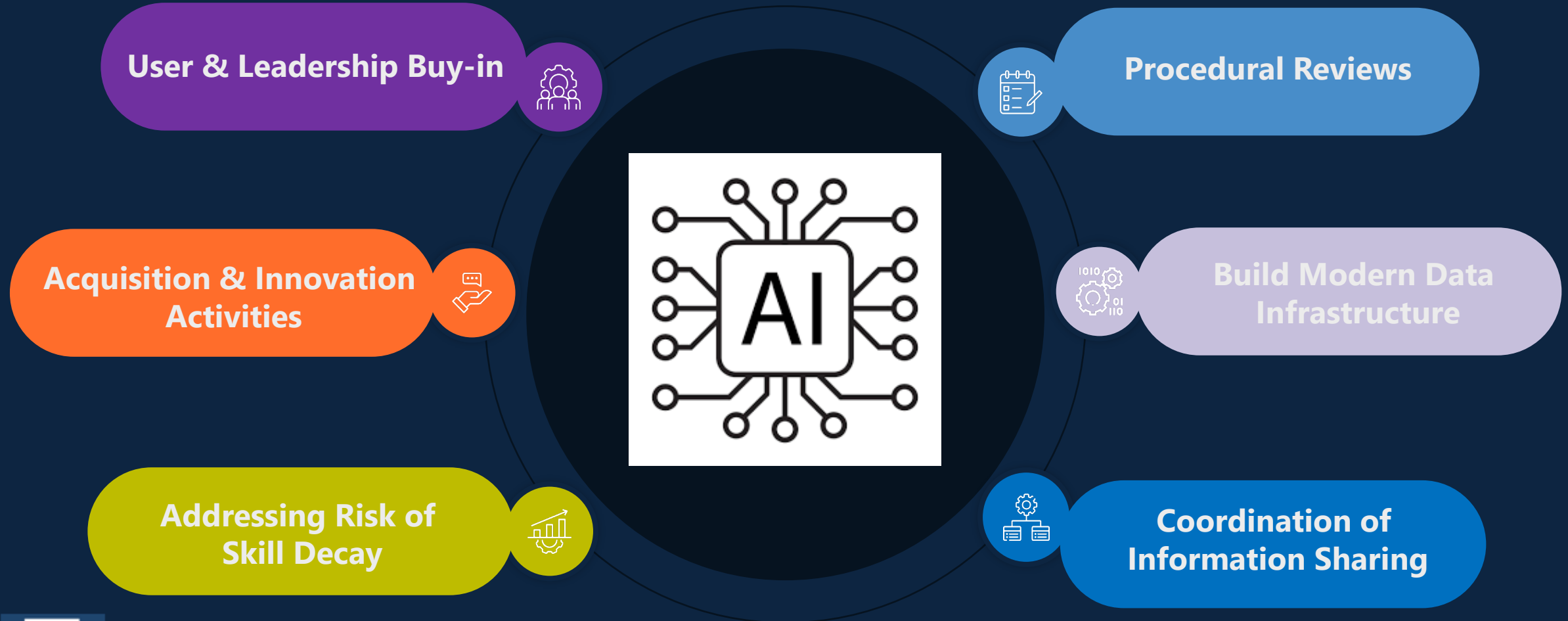
It is imperative for contracting organizations to gain a deep understanding of the workforce skills and processes needed to ensure all contracting officers are able to consistently use and scale new AI tools.

4

Cultural Resistance/Incentives

Cultural barriers in the workforce also limit the ability to make full use of AI in acquisition, specifically the fear of job loss and risk-aversion.

Considerations for AI Integration



Recommendations for Success



Cultivate Collaboration & Stakeholder Engagement

Strong, coordinated leadership and collaboration across multiple sectors, including government, industry, and academia.

Analyze the Acquisition Lifecycle

Agencies must truly understand workflows, incentives, and workforce issues to understand where to prioritize development efforts and technology insertions.

Pilot Programs & Innovation Activities

Allow acquisition professionals to learn, for example through pilot initiatives, and most importantly tolerate failure in some efforts.

Institute Training & Foster AI Literacy

Comprehensive training programs must be developed to ensure AI literacy and technical competence across the workforce.

Invest in Infrastructure and Data Governance

For AI adoption to succeed, significant investments in infrastructure and robust data governance policies are necessary, including data sharing and access across the DoD.

Establish Standardized Evaluation Metrics

Establishing a standardized set of AI evaluation metrics is crucial for fostering trust, resiliency, accuracy, and effective monitoring of AI systems.

QUESTIONS

MITRE continues to work with organizations such as NDIA/ETI and our sponsors to identify how to leverage AI in acquisition across the ecosystem with projects such as AQQAIRE.

Please reach out to the following if you would like to discuss or have any further questions.

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