

Unpacking the Authority to Operate (ATO) Process: Implications for the DoD

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Study Conducted By: 2024 NPS Air Force Element Cohort Study Sponsored By: SAF/CNDI (CIO Office)

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SAF/CNDA (CIO Office) Presented NPS with ATO Problem Statement ATO Process Required under FISMA 2014 and DODD 5144.02 **ATO Process Daunting and Complex Increased Timeline and Decreased** Interest in Business-Government Actions





NAVAL POSTGRADUATE SCHOOL

Research Questions

- 1. What is the current state of ATO processes, risk management, and authority delegation within the DAF?
- 2. What are the key decision points, pain points, and stakeholders in the ATO process?
- **3.** How can applying process mapping techniques to visualize the ATO process assist with identifying areas for improvement?





Methodology

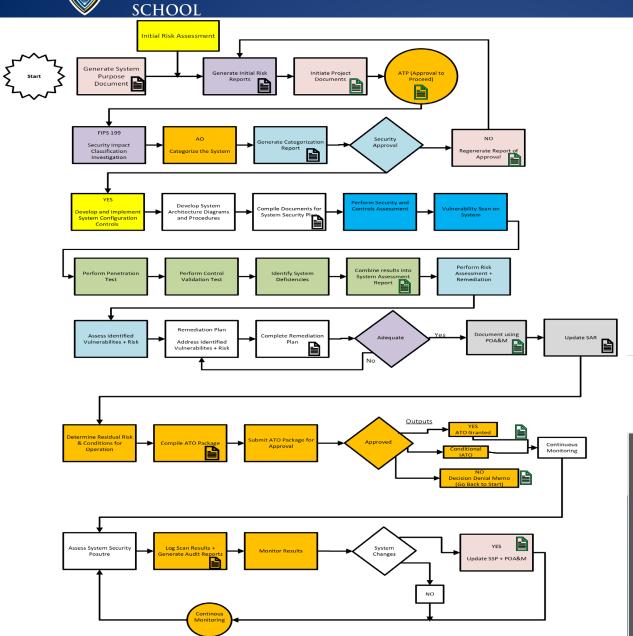
- Two-Stage Interview Process
 - Stage 1: Fact Finding and Research Team Synthesis
 - Stage 2: Interviewee Validation
 - Final Report
- Interviewees:
 - 17 key stakeholders were interviewed
 - Military and civilian personnel
 - Cybersecurity experts
 - Program Executive Officers
 - Security Managers
- All opinions presented are those of the interviewees and do not reflect the views of the research team.

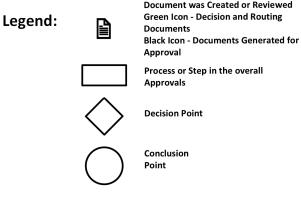






POSTGRADUATE **Process Flow Chart**

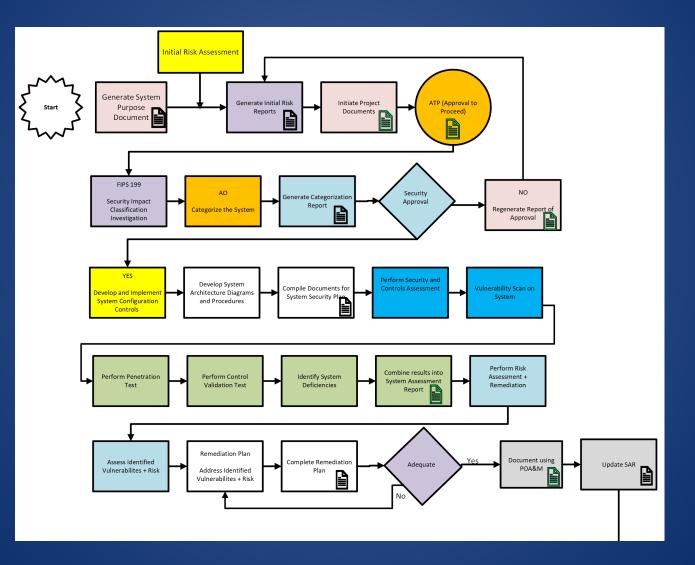




Peach System Owner Orange - Authorizing Official Blue - Security Managers Green - Cybersecurity Teams Yellow - Communications Squadron No Color - Multiple Organizations Purple - Configuration Control Boards Teal - Air Force Network Integration Center Light Gray - Program Executive Officers

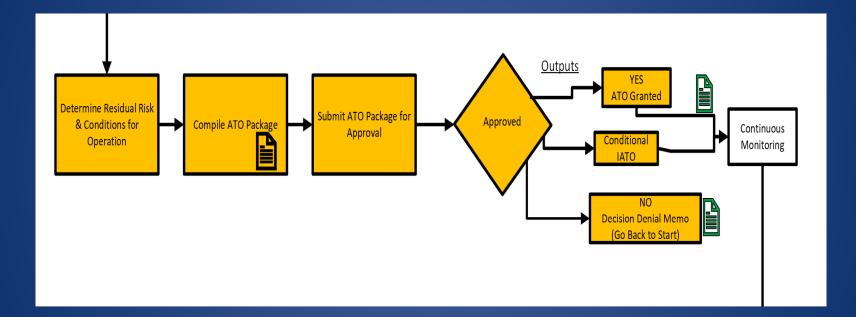


Phase 1: Categorization Approx 3wks – 6mos

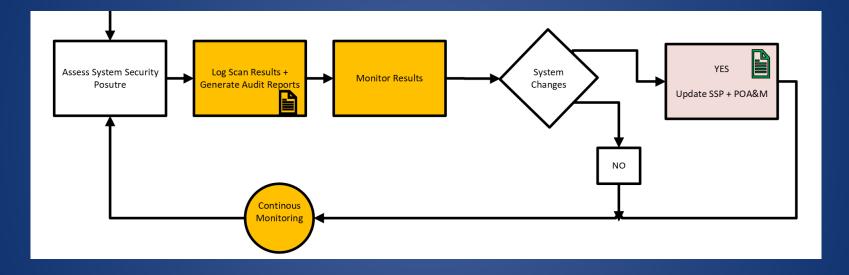




Phase 2: ATO Approval Approx 1-5 days



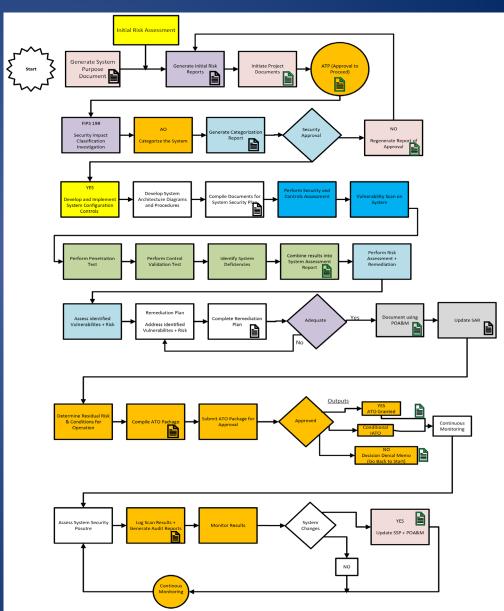






Recommendations

- Implement automation
- Shift to continuous integration for tenant application
- Integrate current security scanning tools
- Shift from administrative controls to technical controls
- Encourage collaboration
- Apply agile methods
- Broader adoption of emerging trends and advancements











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