

Department of the Air Force

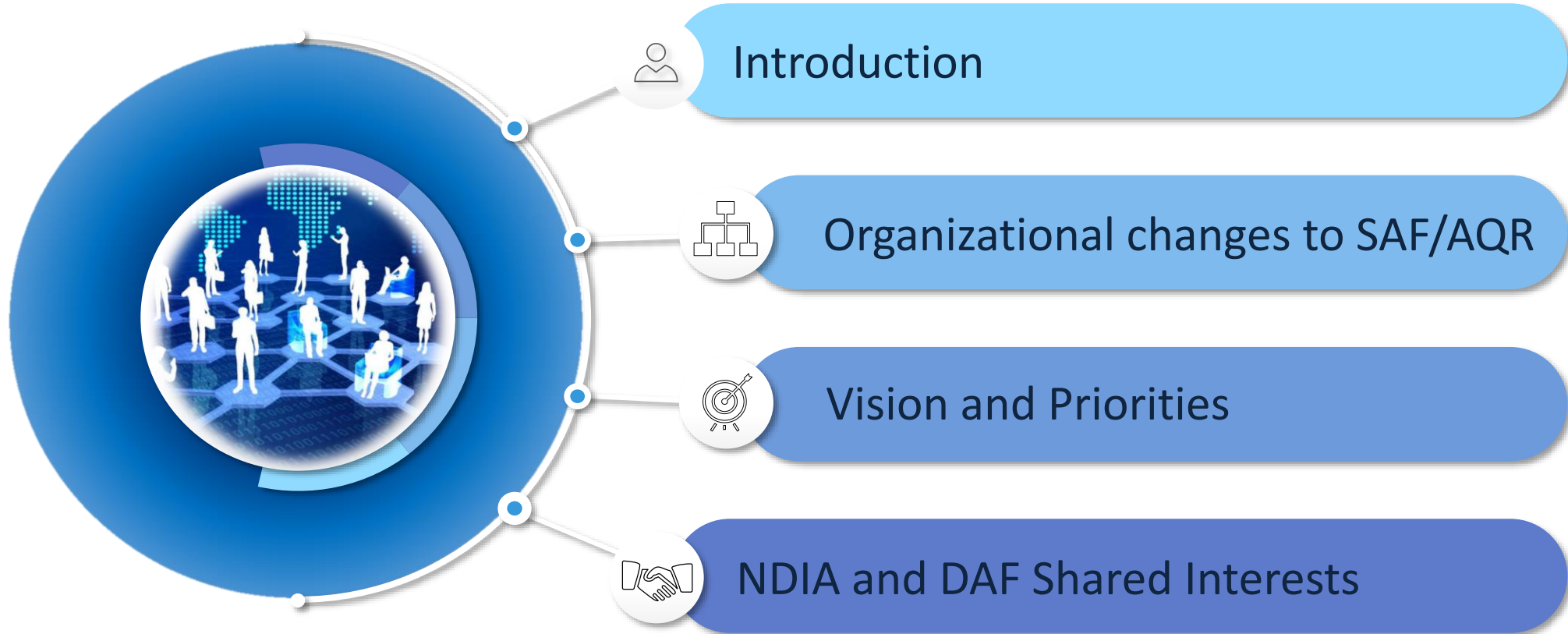
SAF/AQR Priorities & Partnerships

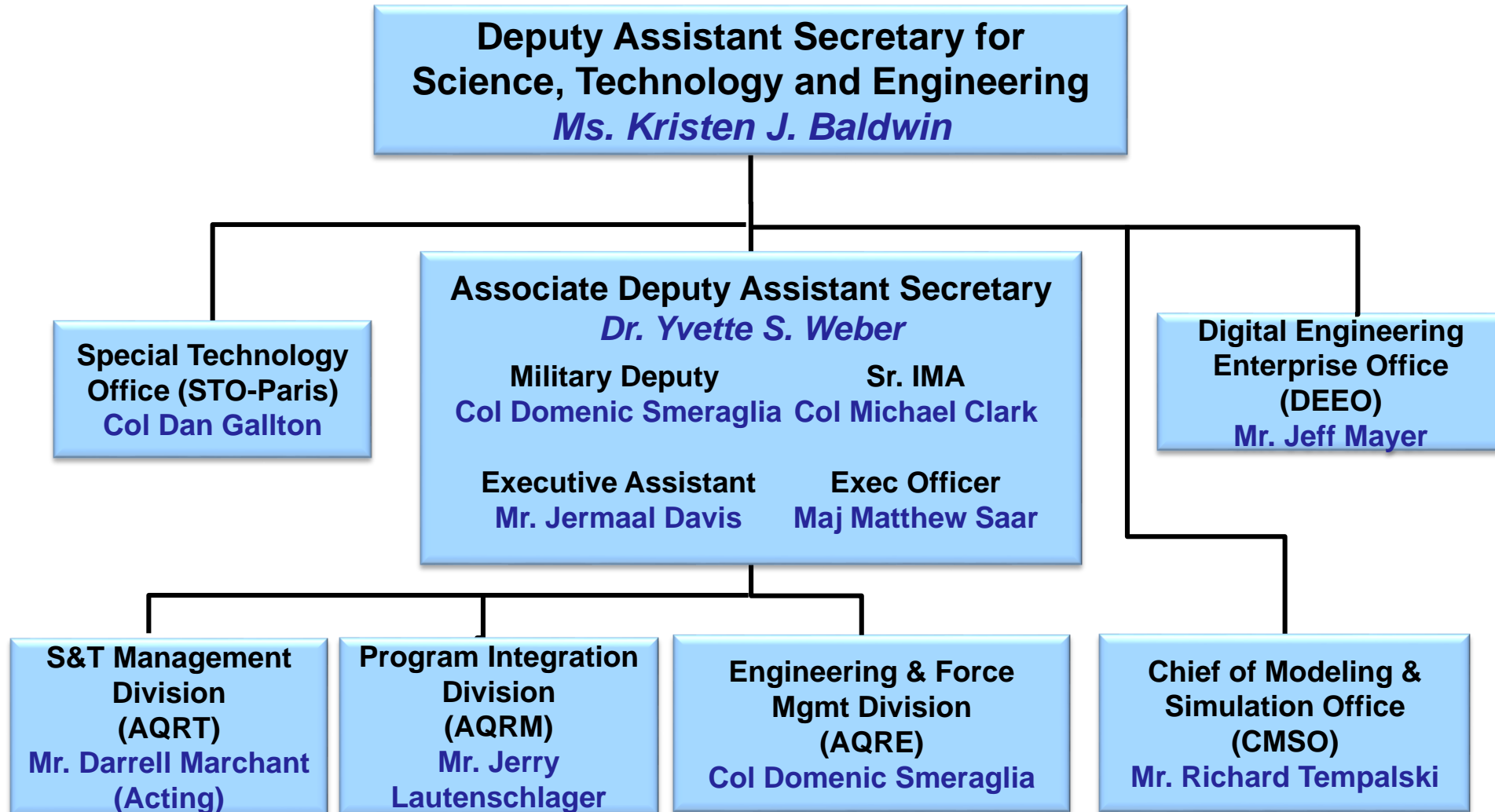


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Deputy Assistant Secretary
(Science, Technology and Engineering)
SAF/AQR
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Version 1**



Agenda

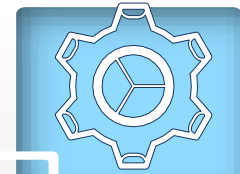






Vision and Priorities

Drive implementation of S&T 2030 Strategy



- Oversee/Assist AF Vanguard Programs, identify transformational S&T investments, enablers
- Focus S&T on strategic priority outcomes
- Prioritize Prototyping/Experimentation to bridge transition to programs

Ensure Technical Rigor and Risk Management



- Lead DAF-wide independent technical review methodology and implementation on AF programs
- Advance engineering policy, guidance & standards

Strengthen Cyber Resiliency of Weapons Systems



- Extend appropriate protections to S&T activities
- Advance system security engineering practice and vulnerability mitigation, including software assurance

Advance Science and Engineering Talent and Tools



- Address long term human capital needs, workforce diversity
- Transition advanced manufacturing technology
- Implement Digital Engineering, M&S, MOSA



NDIA & Department of the Air Force Interests

Opportunities

Interests

**Digital Engineering Design Reviews
& Data Exchange Standards**



Accelerating/transforming design reviews using continuous approval, shared tools/environments, standard views, and seamless data exchange.

**System Security/Cyber Resilient
Engineering Methods & Practices**



Protecting critical technical information in support of our national interest; ensuring designed-in cyber and system assurance and ability to detect/respond to attack; continued collaboration on AF Weapon System Program Protection/System Security Engineering Guidebook

**S&E Workforce Talent
and Diversity**



Attracting skilled and knowledgeable talent to the Defense sector; bringing new skills to an existing workforce; ensuring relevance, and maximizing our diversity and inclusion.

Prototyping and Tech Transition



Utilizing rapid prototyping methodologies and model & sim for frequent iteration with operators to field MVP and optimize designs; engineering and architecting for tech transition/modernization



QUESTIONS?