



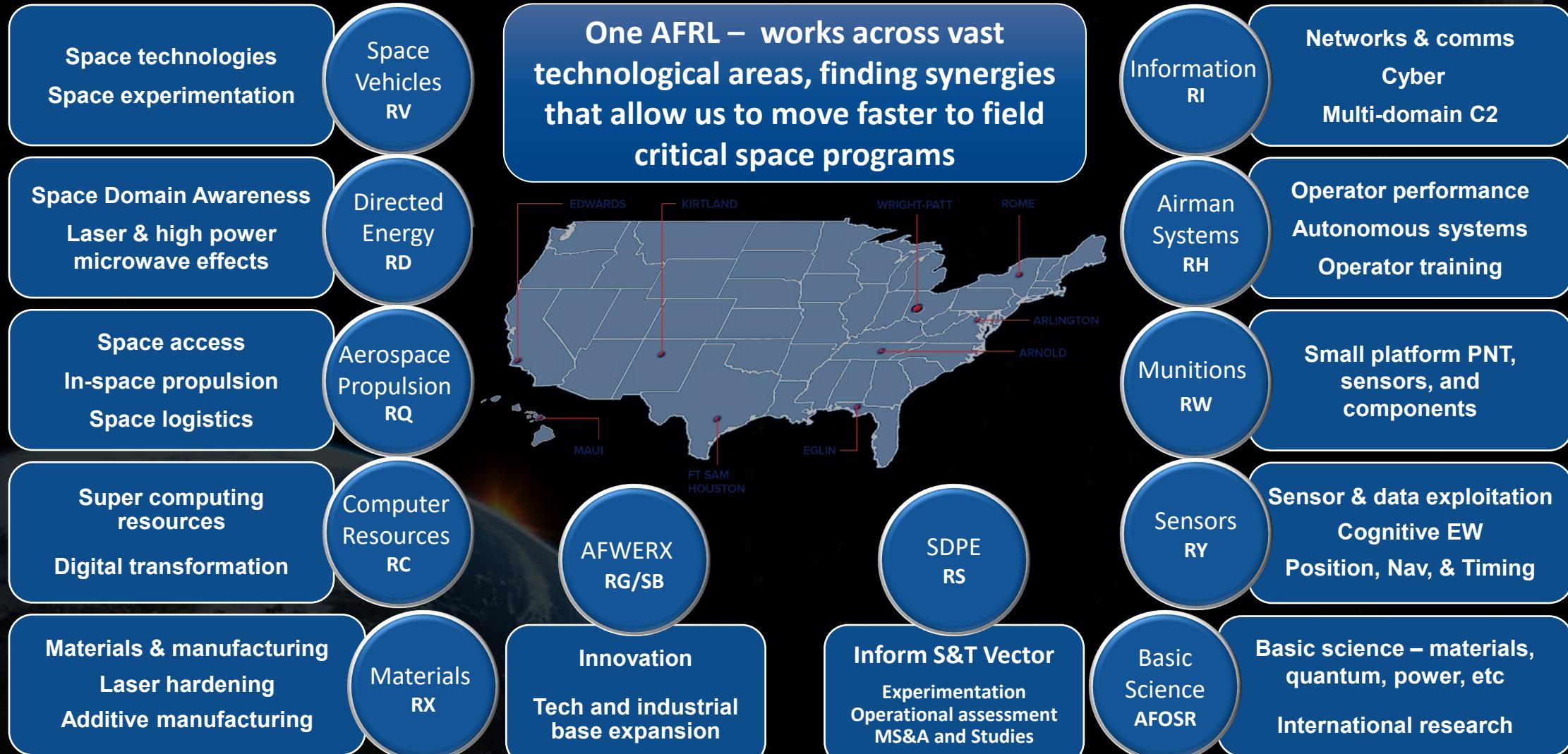
# AFRL

## AFRL DEPUTY TECHNOLOGY EXECUTIVE OFFICE FOR SPACE OVERVIEW

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APPROVAL #AFRL-2024-1834

# AFRL'S EXPANSIVE SPACE PORTFOLIO



# UNDERLYING TENETS FOR ONE AFRL-TWO SERVICES

- Today's threat requires multi-disciplinary solutions
- Cross-discipline collaboration enhances outcome
- AFRL has deep, strong space history expertise
- Eliminates duplication and reduces overhead to optimize and stretch limited research funding
- Leverage shared lab facilities, test assets, tools
- Enables robust, multi-domain Digital Enterprise
- Established Deputy TEO for dedicated support
- Efficient, agile, and collaborative engagement

**Best return on investment for limited  
Department of the Air Force resources**



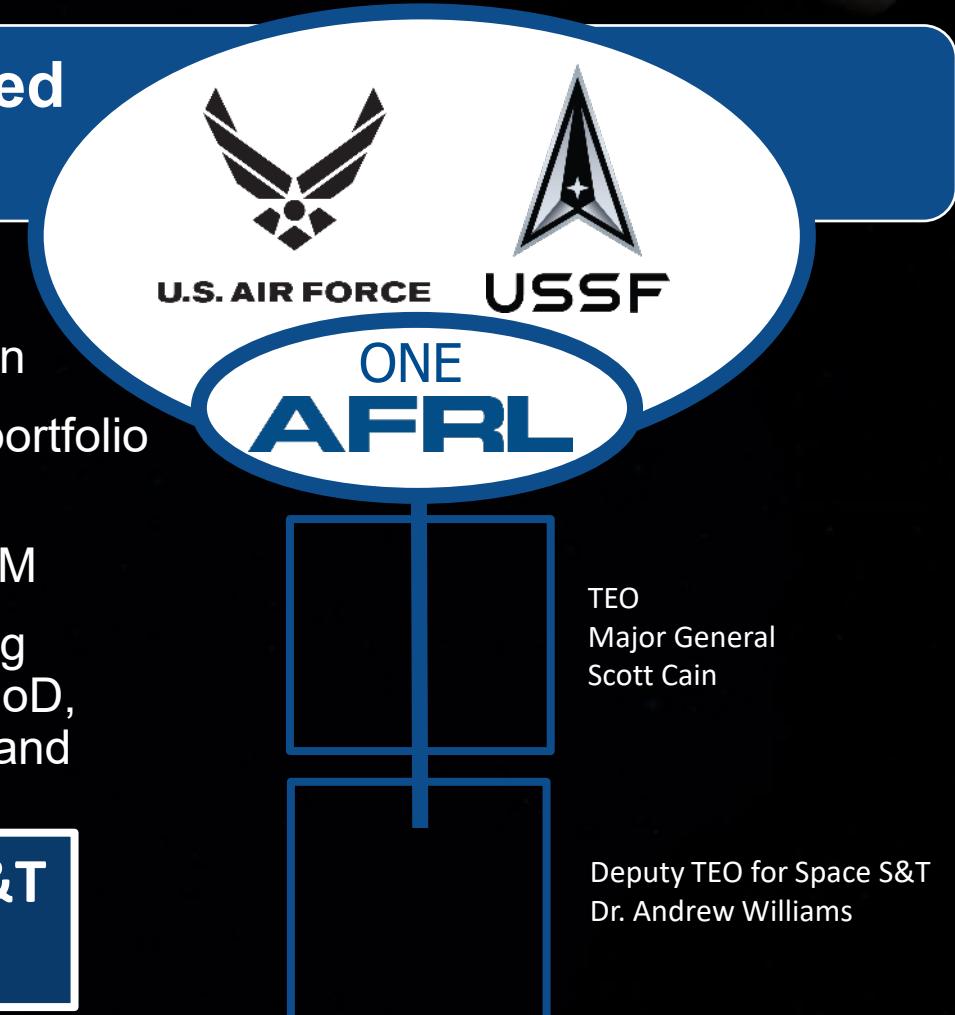
THE AIR FORCE RESEARCH LABORATORY

# TEO & DEPUTY TEO FOR SPACE – FOCAL POINTS FOR USSF S&T EXECUTION

## Emphasizing the path for space-focused science and technology programs

- Determining Space S&T needs and priorities
- Developing and maintaining Space S&T strategic plan
- Providing direction and oversight of the Space S&T portfolio across executing organizations
- Developing the Space S&T element of the USSF POM
- Interacting, coordinating, collaborating, and partnering across the larger Space S&T community within the DoD, industry, private sector, other government agencies, and international

**Integrate and execute the Space S&T portfolio across AFRL**



# SPACE MAL ROLES AND RESPONSIBILITIES

- Advance customer engagement and serve as the primary AFRL interface to external stakeholders
- Coordinate across the Space Force and partner organizations to develop prioritized tech needs and capability gaps
- Work with AFRL Chief Technologist and Deputy TEO to develop a cross-directorate investment strategy and roadmap to meet USSF needs



**Space Spectrum Warfare**  
Mr. Todd Parris



**Space Domain Awareness**  
Ms. Laura Durr



**Space-Based Sensing**  
Dr. Wellesley Pereira



**Space Mobility & Logistics**  
Dr. Robert Antypas



**Space Security & Intl Partnerships**  
Mr. Ron Caton



**Space Superiority**  
Ms. Rebecca Rothstein

# SPACE MAL TECHNICAL AREA BREAKDOWN



## Space Domain Awareness

Terrestrial and on-orbit Space Domain Awareness, Space Environment Monitoring

## Space Mobility and Logistics

Launch, In-Space Propulsion, In-Space Servicing and Logistics, In-Space Assembly and Manufacturing

## Space Spectrum Warfare

Comm, Space Data Transport, PNT, EM Spectrum Operations

## Spaced-Based Sensing

Surveillance, Reconnaissance, and Tracking (SRT), Missile Warning

## Space Security & International Partnerships

International Agreements/Partnerships, Space Policy

## Space Superiority

Space Control, Battle Management, Cyber



Technical areas aligned to  
*Space power: Doctrine for Space Forces*

# DTEO CONTACT INFORMATION

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