



“Allied by Design” AFCEA Luncheon

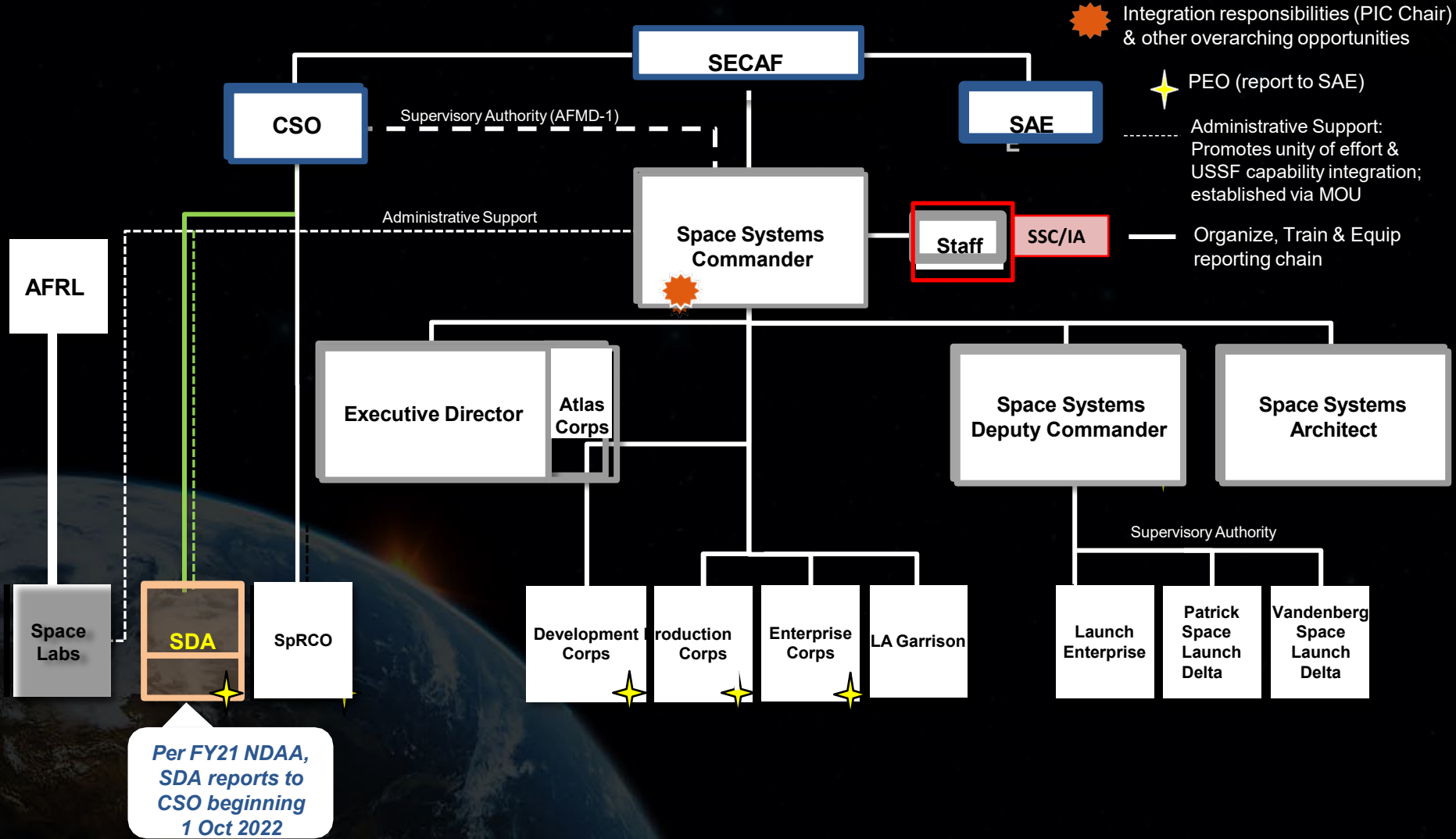
**Ms. Deanna Ryals
Chief Partnership Officer
SSC/IA**

19 Aug 2021



Space Systems Command

UNCLASSIFIED



UNCLASSIFIED



International Space Acquisition Leadership



Secretary of the Air Force International Affairs



SES Kelli Seybolt
Deputy Under Secretary
Air Force International Affairs



Mr. James Dunn (SES-2)
Director,
Policy and Programs



Brig Gen Todd Dozier
Director,
Regional Affairs



HQ SF/S5P

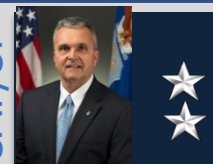
Other Commands



SAF/IA

SAF/SP

Secretary of the Air Force Acquisition and Integration



SES Shawn J. Barnes
Deputy Under Secretary
Air Force Space Acquisition and
Integration

Our Organization

Space Systems
Command (SSC)

SSC/IA



Ms. Dean na Ryals
Director, Chief Partnership Office



Dr. Stephen Pluntze
Deputy, Chief Partnership Office



Lt Col James Tobin
Chief, Capabilities
Development



Ms. Angela Lindemuth
Deputy, Capabilities
Development

Lt Col Brian Fredrickson
Chief, Engagement
Division

**Maj Rachel Kolesnikov-
Lindsey**
Deputy, Engagement

Space Systems
Command

Atlas Corps

Development
Corps

Enterprise
Corps

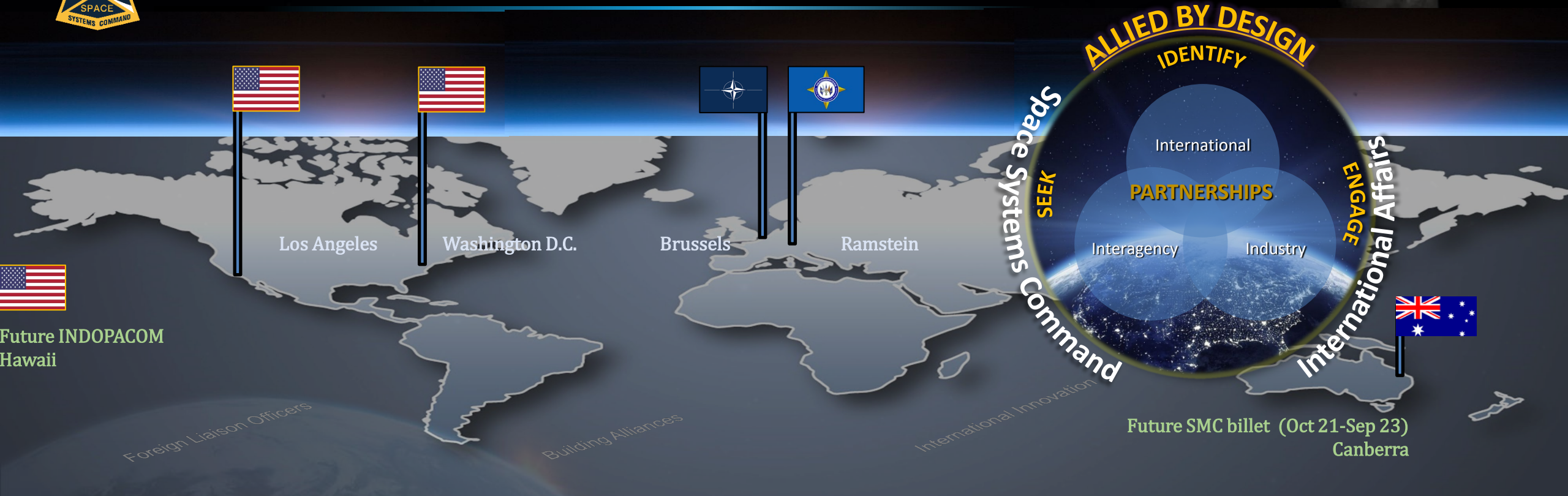
Portfolio
Architect

Production
Corps



Chief Partnership Office

Seek, Identify and Engage partners to jointly acquire and deliver war-winning space capabilities



Space Armaments Cooperative Partnerships in Work
[58 Cooperative Agreements/~\$3B+ Allied Investments]

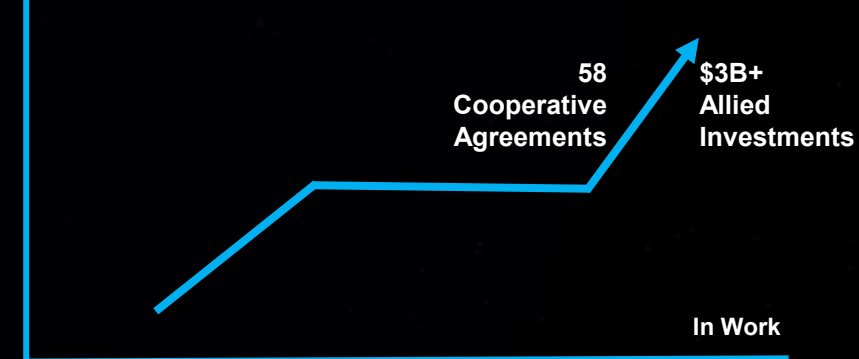


"Today, we are working hard to not only develop joint warfighting partners but also, developing the international partnerships needed for coalition warfighting."

*~General John W. Raymond
Chief of Space Operations, USSF*

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Beneficial Growth in Partnerships for the Space Architecture



Military Space Race



USSF 2030 Vision

Acquire

Policy- Doctrine - Strategy



"The first year we built the Space Force. This year we are focused on integrating that force. And one of the key folks that we integrate with is obviously our allied partners," ~General Raymond

"Anything that can help us operate better as an enterprise, go faster, take advantage of more partnerships and introduce innovation into the space acquisition domain, are things that we're excited to be part of and really looking forward to."

~General Thompson
"I really would like to get these partnership to be more than just data sharing partnerships and really move towards mission sharing", ~ General Raymond

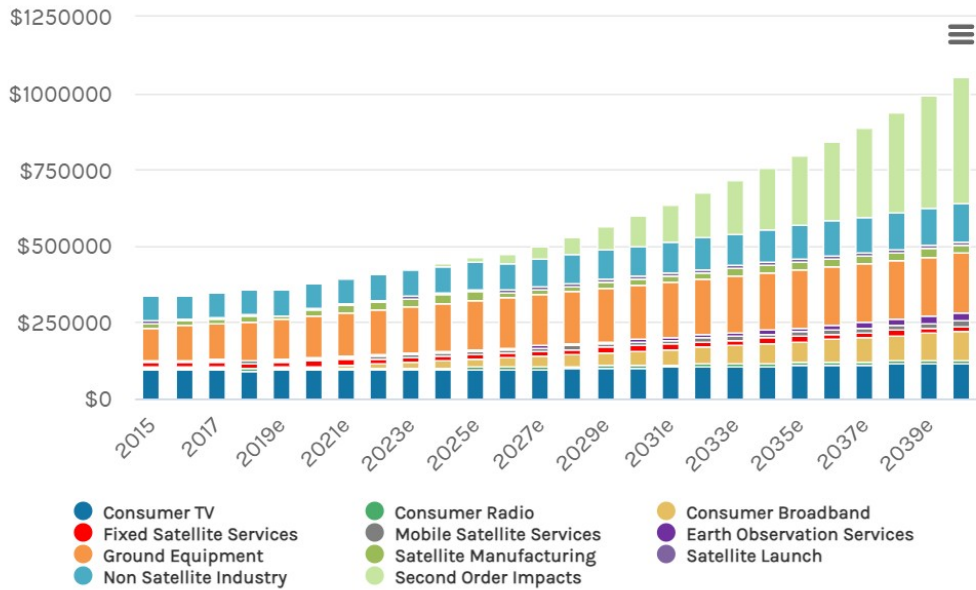


A call for major expansion of international space cooperation and partnering with allies and commercial sectors to enhance U.S. security, capabilities and resilience.



Economic Space Race

The Global Space Economy (\$t)



<https://www.morganstanley.com/ideas/investing-in-space>



Global internet from space

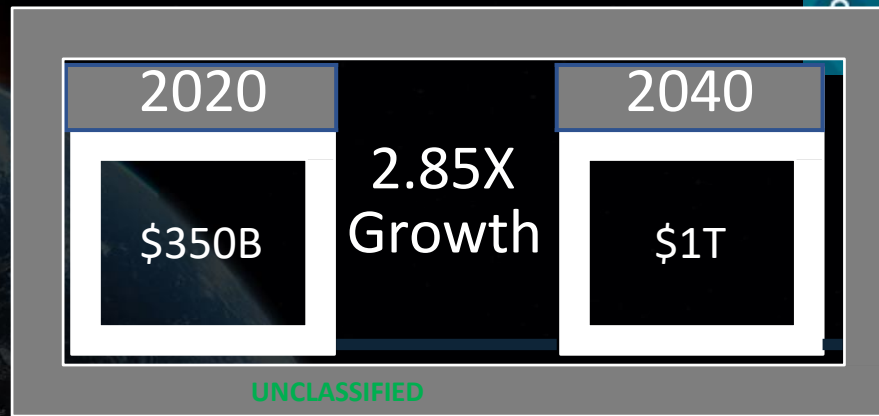


Autonomous vehicles

Internet of Things



Artificial Intelligences





Warfighting Space Capabilities



PNT 	Missile Warning 	Satellite Communication 	Weather 	Space Control 	Space Domain Awareness
Cross-Mission Space 	Cross-Mission Transport 	Cross-Mission Data 	Cross-Mission Ground 	Cross-Mission Special Programs 	Combat Logistics



Partnering – Why and How

Opportunities

- “Allied by Design” Approach to Space Systems Architecture
- Organize and Strengthen Future Space Security Cooperation
- Expand Spectrum of Security Cooperation Tools for Space
- Develop More Rapid and Agile Business Practices

Challenges

- Clear articulation of how industry can help with partnerships
- Navigating ITAR
- Licensing
- Security Requirements





Allied By Design

F-22



- Designed by US for Air Force
- No foreign military sales from inception
- Sovereign power projection
- Security simplicity with US only

F-16



- Designed for Export to some partners
- Sell less capable variant
- Good for power projection
- Design in security measures

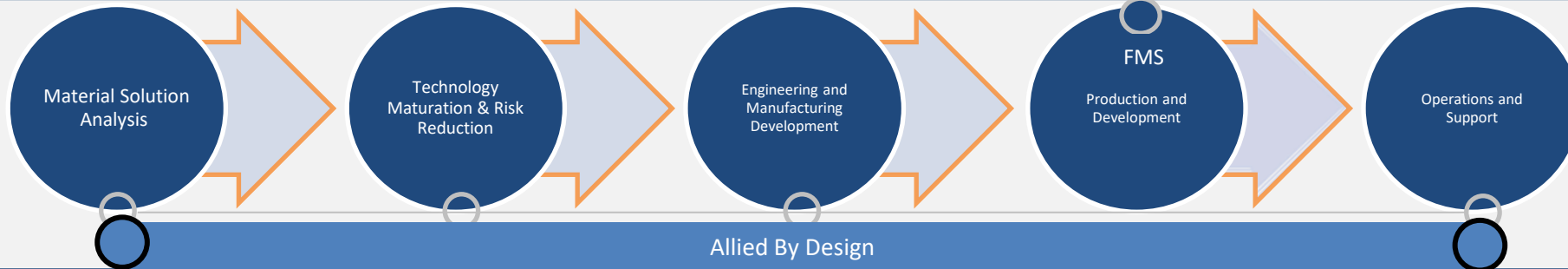
F-35



How do we do this for space?

- Designed for Export to many partners
- Export same configurations as US
- Broad global power projection
- Design in security measures

Joint Capabilities Integration and Development Process





Partner with Us

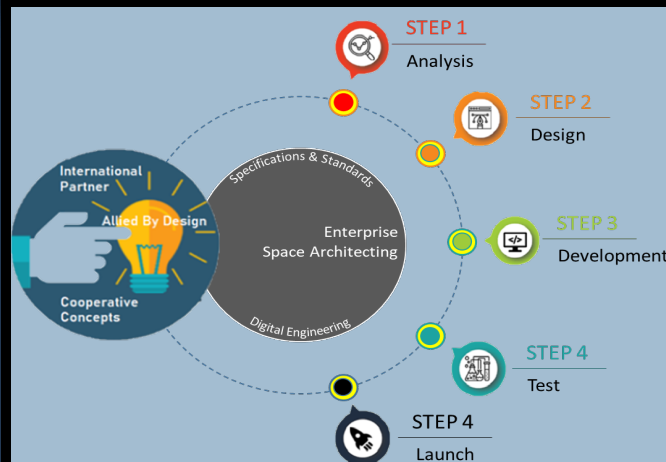
Partnership Office Leadership

Deanna Ryals (deanna.ryals.1@spaceforce.mil) – Chief Partnership Officer
 Dr. Stephen Pluntze (stephen.pluntze.2@spaceforce.mil) – Executive Director
 Lt Col Brian Fredrickson (brian.fredrickson@spaceforce.mil) – Engagement Division Lead
 Lt Col James Tobin (james.tobin.1@spaceforce.mil) – Capabilities Development Lead

Aerospace Leadership

Jamie Dronen (jamie.m.dronen@aero.org) – Principle Director of Global Partnerships
 Wayne Sullens (wayne.d.sullens@aero.org) – Chief Engineer

Ways To Partner



Co-Funded Acquisitions

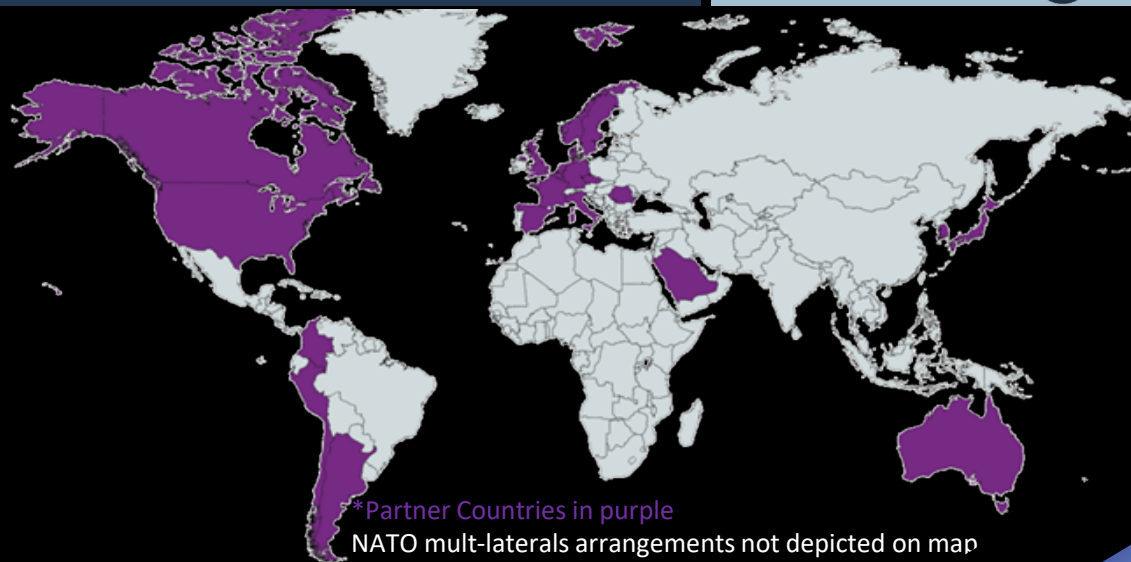
Foreign Military Sales

Liaison Exchange

Data Exchange

Partnership Capability

Satellite Communication
 Space Command and Control
 Space Domain Awareness
 Pointing Navigation and Timing
 Remote Sensing for Weather
 Remote Sensing for Missile Warning
 Space Control
 Tactical ISR



Enterprise Partnerships

Launch
 Combat Logistics
 Data Transport
 Data

