

Defense Technology Security Administration

"ENSURING THE EDGE"



**Mission Brief for the
Defense MoU Attachés Group (DMAG)
December 15th, 2022**

Defense Technology Security Administration
 ★
 Director: Michael Laychak
 Deputy Director: Michele Hizon

Defense Security Cooperation Agency

Defense Prisoner of War/ Missing in Action Accounting Agency

**Under Secretary of Defense for Policy
USD(P)**
 Hon. Dr. Colin Kahl, PhD.

**Deputy Under Secretary of Defense for Policy
DUSD(P)**
 Hon. Ms. Sasha Baker

Chief of Staff

Chief Operating Officer

**ASD
International
Security Affairs**

PDASD

**DASD
Middle East**

**DASD
African Affairs**

**DASD
Europe & NATO**

**DASD
Russia, Ukraine
& Eurasia**

NATO Defense Advisor

**ASD
Indo-Pacific
Security Affairs**

PDASD

**DASD
China**

**DASD
East Asia**

**DASD
South & Southeast Asia**

**DASD
Afghanistan, Pakistan
& Central Asia**

**ASD
Homeland Defense &
Hemispheric Affairs**

PDASD

**DASD
Defense Continuity &
Mission Assurance**

**DASD
Homeland Defense
Integration & Defense
Support of Civil Authorities**

**DASD
Western Hemisphere**

**DASD
Arctic & Global Resilience**

**ASD
Special Operations
And Low Intensity
Conflict**

PDASD

**Office of Information
Operation Policy
Deputy PIOA**

**DASD
Irregular Warfare &
Counterterrorism**

**DASD
Counternarcotics
& Stabilization Policy**

**DASD
Special Operations
Policy & Programs**

IWTSD

**ASD
Space Policy**

PDASD

**DASD
Space & Missile Defense**

**DASD
Nuclear & CWMD Policy**

**DASD
Cyber Policy**

Deputy PCA

**ASD
Strategy, Plans
& Capabilities**

PDASD

**DASD
Strategy &
Force Development**

**DASD
Plans & Posture**

**DASD
Global Partnerships**

**Office of Emerging
Capabilities Policy**

 **Presidentially /
Appointed & Senate
Confirmed Position**

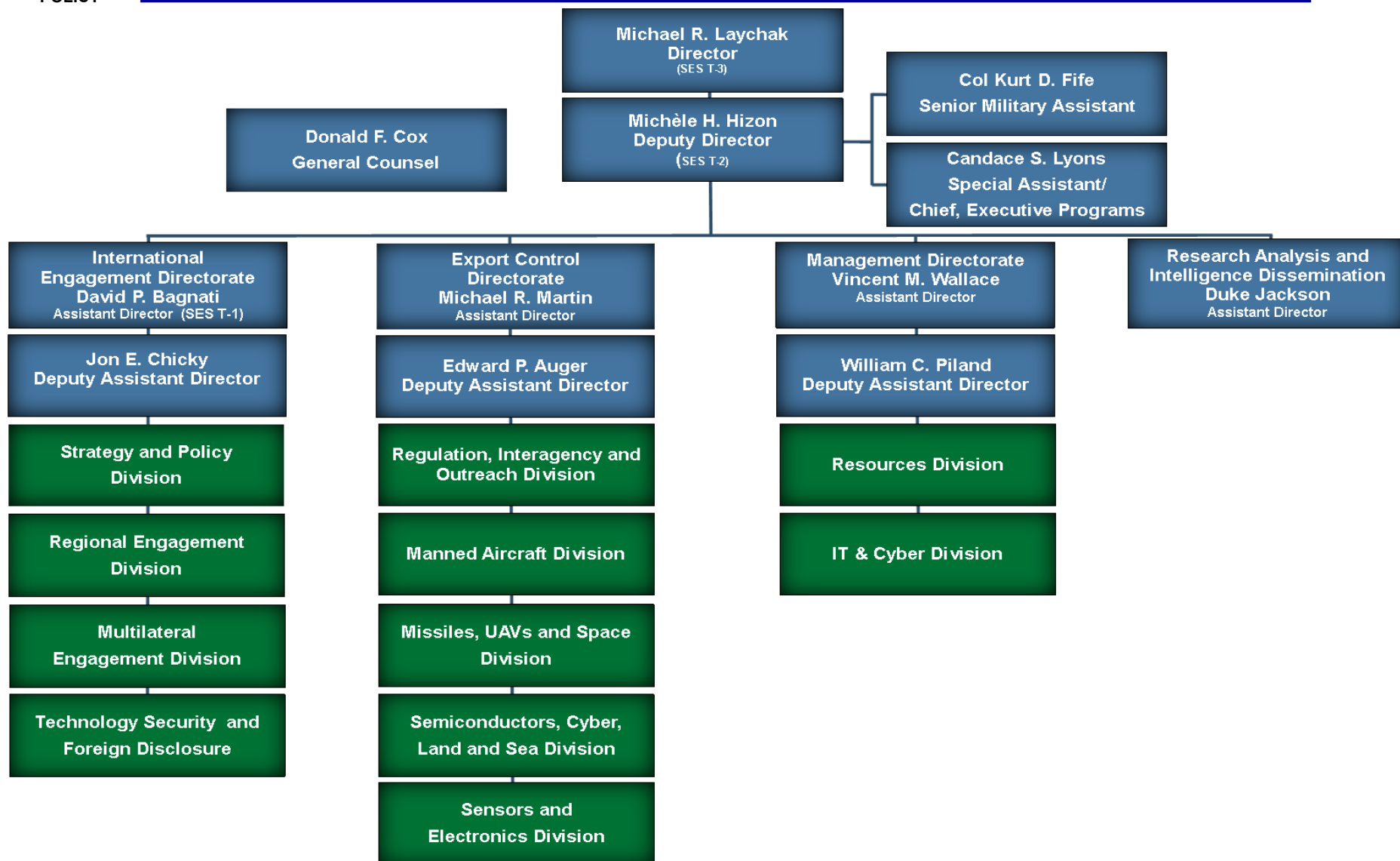
 **Field Agencies /
Indirect Reports**

 **All Other Positions**



POLICY

Defense Technology Security Administration (DTSA)





POLICY

DTSA Mission, Vision, Culture, and Strategic Goals



VISION

Be the U.S. Government's premier experts on international information sharing and information & technology security, safeguarding the U.S. qualitative military edge while enhancing foreign partners' capabilities.



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DoD's Role in Technology Transfers Authorized by Other USG Agencies



Arms Export Control Act
(Munitions List)
Foreign Assistance Act
(Government-to-Government)



Export Control Reform Act
(Dual-Use and some Military Items)
U.S. Patent & Trademark Office
(Secrecy Orders)



Atomic Energy Act
(Nuclear
Technology/Assistance)



**Foreign Investment Risk Review
Modernization Act**
(Acquisition of U.S. Companies by
Foreign Entities)



Atomic Energy Act
(Special Nuclear Equipment
and Material)



POLICY

Technology Transfer: “The Big Picture”



Office of the Secretary of Defense

Technology Security & Foreign Disclosure Processes

Multiple Authorities

State / Defense /
Intelligence
Community

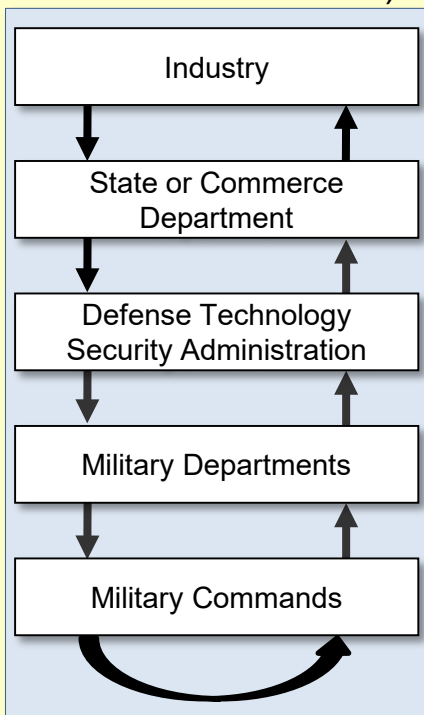
13 separate processes.
Several processes require
DoD to work with other
agencies

Military
Departments

The Military Departments
have own Technology
Transfer / Disclosure
processes

DTSA

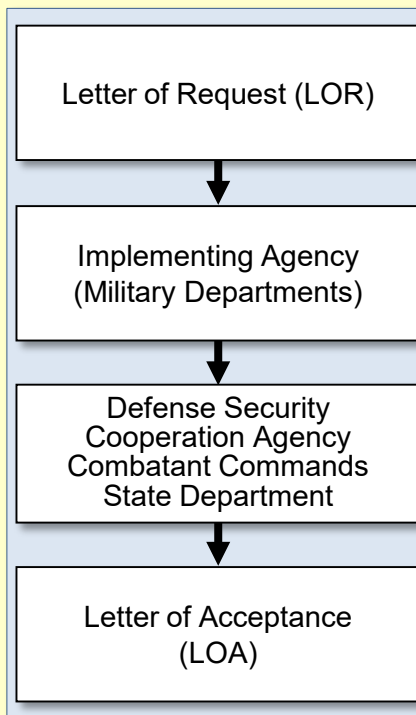
Exports/Tech Transfer
Requests - dual-use &
munitions (for
Direct Commercial Sales
& certain FMS cases)



Policy

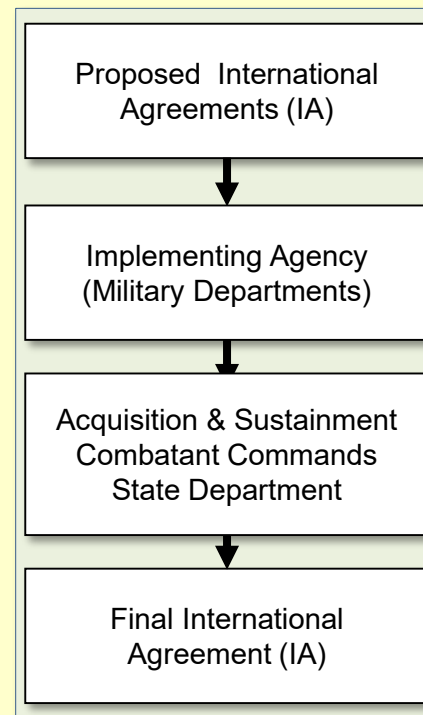
DSCA

Foreign Military
Sales
(Gov't-to-Gov't)



Acquisition & Sustainment/ International Cooperation

International Armaments
Cooperation



* Note – Congressional reporting also occurs for some DCS, FMS, and IAC transactions



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DoD/DTSA Review of Technology Transfers

Factors considered when assessing impact on national security:

- **Policies (Region, Country)**
- **Bilateral, Multilateral, and International Agreements**
- **Unclassified and Classified Data Transfers**
- **Classification Level and/or Criticality of Technology (U.S. Systems and Countermeasures)**
- **Interoperability Requirements**
- **Military Operational Impact**
- **Foreign Availability of Comparable Systems**
- **End-User and End-Use History**



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Technology Security and Foreign Disclosure (TSFD) “Pipes”



★
Title 22
Interagency
Process

★
Title 50
Overlap

Technology
Release
Processes

NDP (National Disclosure Policy)	★	★	Policy	Primary
MIDP (Military Intel Disclosure Policy)	★	★	USD(I&S)	Primary
LO/CLO (Low-Observable/Counter-LO)			USD/A&S	Primary
AT (Anti-Tamper)			USD/R&E	Process
COMSEC (Communications Security)	★	★	NSA & DoD CIO	Primary
SAP (Special Access Programs)			SAPCO	Specialized
MTCR (Missile Technology Control Regime)		★	DTSA	Specialized
NVD (Night Vision Devices)			DTSA	Specialized
Intel	★		USD(I&S)	Specialized
Data Links/WF (Waveforms)		★	DoD CIO	Specialized
PNT/GPS (Positioning Navigation & Timing/Global Positioning Sys			DoD CIO	Specialized
GEOINT (Geospatial Intelligence)	★	★	NGA	Specialized
EW (Electronic Warfare)	★	★	USD/R&E & NSA	Specialized



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Multilateral Engagement

Wassenaar Arrangement (WA)

Conventional Arms and Dual-Use Items

Nuclear Suppliers Group (NSG)

Equipment, Materials, and Technology for Producing Nuclear Weapons

NATO Security

Security of NATO classified information and declassification of U.S. information by NATO

Missile Technology Control Regime (MTCR)

Unmanned Delivery Systems (Missiles and Unmanned Aerial Vehicles) for Nuclear Weapons

Australia Group (AG)

Chemical and Biological Agents and Manufacturing Equipment

Small-Group Export Control Arrangements

Small groups of like-minded nations protecting a technology; e.g., Quad semiconductor group

DoD's Technology Area Export Control Priorities

- | | | |
|------------------------------------|---|-------------------------------------|
| 1. Additive/Advanced Manufacturing | 8. Biotechnology | 13. Hypersonics |
| 2. Advanced Aviation Technology | 9. Compact Mission Power & Thermal Management Systems | 14. Microelectronics |
| 3. Advanced Computing | 10. Cyber/Information Assurance | 15. Precision Navigation and Timing |
| 4. Advanced Materials | 11. Directed Energy | 16. Quantum Sensing & Computing |
| 5. Advanced Sensors | 12. Electromagnetic Spectrum Operations | 17. Signature Management |
| 6. Artificial Intelligence | | 18. Space Systems |
| 7. Autonomous Systems | | |



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Backup Slides



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Bilateral Engagement





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DTSA Core Functions



Success of the defense technology security mission requires cooperation and partnership with intra-departmental and interagency stakeholders, international partners, and industry.



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National Security Review of Defense Technology Transfers



DTSA assesses defense technologies and develops measures, in partnership with government and industry, to prevent proliferation or diversion of technology and information that could prove detrimental to national security

- **Technology Assessments and Risk Management of Direct Commercial Sales and Foreign Military Sales**
 - Includes Technology Control Plans and End User Checks
- **Recommendations on Export Licenses for Direct Commercial Sales**
 - Equipment, Technology, Data, and Services
- **Space Launch Technology Exports**
 - License proviso development and technology transfer monitoring
- **Committee on Foreign Investment in the U.S. (CFIUS) Technical Reviews**
- **International Agreements on Technology and Information Sharing**
- **Patent Security Reviews**
- **Technology Security Assessments for Enforcement/Compliance Efforts**
- **Reciprocal Security Surveys and Facility Certifications**
 - Ensure mutual capabilities to protect classified defense technologies and information



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Export Control, Technology Release, and Foreign Disclosure Policy



DTSA provides the policy, regulatory, engineering and scientific foundation to shape international and domestic policies and regulations that protect defense technology and information while facilitating cooperation with Allies and partners

- **Input into U.S. Export Control Laws, Regulations, and Policies**
 - Commodity Jurisdictions and Classifications, Entities List
- **Technology Release Waivers**
- **Strategic Technology Release Policies**
- **Secretariat for National Disclosure Policy Committee (NDPC)**
- **National and DoD policies on and authorities for disclosure of classified military information and materiel**
- **Visits and assignments of foreign personnel**
- **Sanctions** (e.g., Iran, North Korea, Syria Non Proliferation Act (INKSNA), Countering America's Adversaries through Sanctions Act (CAATSA))
- **Guidance to DoD and law enforcement support on export controls**
- **IT Enablers: USXPORTS – USG export licensing system, Defense Patent Application Review System (DPARS), Foreign Visits System**



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International Engagements and Technology Security Cooperation



DTSA works with international partners to protect critical technology and information, increase technology security cooperation, and enhance interoperability

- **Multilateral Export Control and Non-Proliferation Regimes**
 - Australia Group, Missile Technology Control Regime, Nuclear Suppliers Group, Wassenaar Arrangement, and Small-Group Export Control Arrangements
- **Treaties (United Kingdom/Australia Defense Trade Cooperation Treaties, North Atlantic Treaty Organization)**
- **Bilateral Nuclear Cooperation Agreements** (Section 123 U.S. Atomic Energy Act)
- **Technology Security Bilateral Engagements**
 - Cooperative Technology Security Programs
 - Support of Interagency and Intra-Departmental Bilateral Engagements
- **Industrial Security Programs**
- **Security Surveys and Agreements**

Defense Technology Security Administration

"ENSURING THE EDGE"



Questions?

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