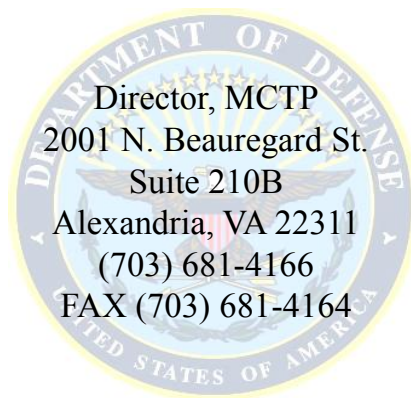


TECHNOLOGY WORKING GROUPS (TWGS)

Aeronautics
Armaments and Energetic Materials
Biological
Biomedical
Chemical
Directed Energy Systems
Electronics
Energy Systems
Ground Systems
Information Security
Information Systems
Lasers, Optics and Sensors
Processing and Manufacturing
Marine Systems
Materials and Processing
Nuclear Systems
Positioning, Navigation and Time
Signature Control
Space Systems
Weapons Effects

For further information contact:



Director, MCTP
2001 N. Beauregard St.
Suite 210B
Alexandria, VA 22311
(703) 681-4166
FAX (703) 681-4164

or

Institute for Defense Analyses
4850 Mark Center Drive
Alexandria, VA 22311-1882
Phone: (703) 845-6796
FAX: (703) 931-7792

[**http://www.dtic.mil/mctl**](http://www.dtic.mil/mctl)



April 2008

MCTP

Department of Defense

**Developing Science &
Technologies List
(DSTL)**

Department of Defense

**Militarily Critical
Technologies List
(MCTL)**



**Under Secretary of Defense
Acquisition, Technology and Logistics
Pentagon, Washington D.C.**

HOW ARE TECHNOLOGIES SELECTED?

By Technology Working Groups (TWGs), chaired by IDA technical experts. TWG members, subject matter experts from the U.S. Government, industry and academia, assess and analyze technologies worldwide on an ongoing basis to determine which are critical.

WHAT IS UNIQUE ABOUT THE PROCESS?

The process determines specific values and parameters of the technologies and identifies items for addition or removal from the MCTL.

WHAT IS THE MCTL?

The MCTL is a compendium of existing goods and technologies that DOD assesses would permit significant advances in the development, production and use of military capabilities of potential adversaries. It includes goods and technologies that enable the development, production, and employment of weapons of mass destruction.

WHAT IS THE DSTL?

The DSTL is a list of scientific and technological capabilities being developed anywhere in the world that have the potential to have significant military impact in the future. It includes basic research and applied research and focuses on those technologies that have the potential for breakthrough. It uses a horizon well beyond the export control perspective of the MCTL.

MCTL APPLICATIONS

Primary

- Formulation of export control proposals
- Export license review

Other

- Anti-tamper determination
- Software Protection Initiative
- Program Protection Plans
- Assessment of Worldwide Technology Capability
- Counterintelligence training & operations
- Counterproliferation
- Foreign military assistance guidance
- Freedom of Information cases
- Speech and technical paper review
- Technical Guide for Independent Review Teams
- Committee on Foreign Investment in the U.S. (CFIUS) issues

DSTL APPLICATIONS

Primary

- Monitor emerging technologies
- Worldwide Technology Capability Assessments

Other

- Cooperative Research and Development
- Independent Research and Development
- Science and Technology Planning
- Advanced Concepts and Technology Development
- Small Business Innovative Research (SBIR)
- Technical Guide for Independent Review Teams

INTERNET SITES



Public

<http://www.dtic.mil/mctl>

Private STINET

<https://dtic-stinet.dtic.mil/redmctl/>



Searchable CD