

## DoD's Key Technology Areas

*The following is an outline of the Defense Technology Area Plan.*

<b>1.</b>	<b>Air Platforms</b> -- Fixed-Wing Vehicles; Rotary-Wing Vehicles; Integrated High Performance Turbine Engine Technology (IHPTET); Aircraft Power; High-Speed Propulsion and Fuels.
<b>2.</b>	<b>Chemical / Biological Defense</b> -- CB Detection; CB Protection; CB Decontamination; CB Modeling and Simulation; Medical Chemical Defense; Medical Biological Defense.
<b>3.</b>	<b>Information Systems Technology</b> – Decision making; Modeling & Simulation Technology; Information Management Assurance & Distribution; Seamless Communication; Computing and Software Technology.
<b>4.</b>	<b>Ground and Sea Vehicles</b> -- Ground Vehicles; Surface Ship Combatants; Submarines.
<b>5.</b>	<b>Materials / Processes</b> -- Materials and Processes for Survivability, Life Extension, and Affordability; Manufacturing Technology; Civil Engineering; Environmental Quality.
<b>6.</b>	<b>Biomedical</b> -- Infectious Diseases of Military Importance; Combat Casualty Care; Military Operational Medicine; Medical Radiological Defense.
<b>7.</b>	<b>Sensors, Electronics and Battlespace Environment</b> -- Radar Sensors; Electro-Optical Sensors; Acoustic Sensors; Automatic Target Recognition; Integrated Platform Electronics; Radio-Frequency Components; Electro-Optical Technology; Microelectronics; Electronic Materials; Electronics Integration Technology; Terrestrial Environments; Ocean Battlespace Environments; Lower Atmosphere Environments; Space/Upper Atmosphere Environments.
<b>8.</b>	<b>Space Platforms</b> -- Launch Vehicles; Space Vehicles; Propulsion [Integrated High-Payoff Rocket Propulsion Technology (IHRPT)].
<b>9.</b>	<b>Human Systems</b> - - Information Display and Performance Enhancement; Design Integration and Supportability; Warrior Protection and Sustainment; Personnel Performance and Training.
<b>10.</b>	<b>Weapons</b> - - The Weapons area has three broad categories. 1) Conventional Weapons: Countermine/Mines; Guidance and Control; Guns; Missiles; Ordnance; Undersea Weapons; and Weapon Lethality / Vulnerability. 2) Directed-Energy Weapons: Lasers; and High-Power Microwave. 3) Electronic Warfare: Threat Warning; Self-Protection; and Mission Support.
<b>11.</b>	<b>Nuclear Technology</b> - - Warfighter Support; Systems Effects and Survivability; Test and Simulation Technology; Scientific and Operational Computing.

Note: The above information is a summary of the information contained in documents "Defense Technology Plan" (DTIC # A285415) and "Defense Science and Technology Strategy" (DTIC # A285414).