



## FY2000 Advanced Concept Technology Demonstrations Announced

**U**nder Secretary of Defense for Acquisition, Technology and Logistics Dr. Jacques S. Gansler announced 11 new Advanced Concept Technology Demonstration (ACTD) programs for fiscal year 2000. The ACTD is a conduit for evaluating mature advanced technology and transitioning that technology which demonstrates military utility into the hands of the warfighter.

Over 39 program proposals were submitted by the military services, theater commanders, and Joint Staff. Representatives of the military services and unified commanders reviewed the list of proposals and provided their recommendations to the Joint Requirements Oversight Council (JROC) and Office of the Secretary of Defense staff. An outstanding group of

finalists has been selected to start in fiscal year 2000. Selection was based on alignment with the overall concepts detailed within Joint Vision 2010; these candidates directly support the Chairman of the Joint Chiefs of Staff's warfighting vision of the future. The ACTD process is providing a means to address critical military needs with mature advanced technologies.

Descriptions of the ACTDs selected for initiation in fiscal year 2000 are shown below. More information on ACTDs can be accessed at [www.acq.osd.mil/at/](http://www.acq.osd.mil/at/).

**Editor's Note:** This information is in the public domain at <http://www.defenselink.mil/news>.

### FY 2000 ACTDs

**CINC 21:** Improves the Commander in Chief and the Joint Force operational commander's ability to conduct crisis action planning.

**Coalition Aerial Surveillance and Reconnaissance:** Develops interoperability protocols and concept of operations to enhance joint strike capability of U.S. and allied forces.

**Communications/Navigation Outage Forecasting System:** Forecasts ionospheric conditions to limit effect of satellite transmissions disruption/outage.

**Computerized Operational Measurements and Signatures Intelligence (MASINT) Weather:** Supports precision guided munitions, strike warfare, fleet defense, air refueling and reconnaissance through near weather data.

**Content-Based Information Security:** Develops a proof-of-concept security environment supporting joint and coalition forces to evolve security policy; tactics, techniques and procedures; and technical requirements.

**Ground to Air Passive Surveillance:** Uses commercial transmission signals to detect, track, and identify platforms.

**Joint Intelligence, Surveillance and Reconnaissance:** Enables commanders to simultaneously access all available tactical sensor data to enhance battlespace picture.

**Multiple Link Antenna System:** Develops wide-band information system to facilitate multiple lines of wireless communications to a single tactical platform.

**Quick Bolt:** Integrates multiple guidance technologies into the High-Speed Anti Radiation Missile (HARM), which will aid in the destruction of enemy radar threat systems.

**Restoration of Operations:** Restores operations at a port, airfield, or logistical node that has been attacked by chemical or biological weapons.

**Tri-Band Antenna Signal Combiner:** Utilizes multiple smaller, lighter, and cheaper antennas to provide the performance of much larger antennas for special operations forces.