



RHUMB LINES

Straight Lines to Navigate By



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Joint Programs for Future Readiness

"We must never forget that we serve the warrior on the battlefield and that the pace of irregular warfare necessitates an equally agile process in delivering vital warfighting capability."

– Vice Adm. Stephen Stanley, Director for Force Structure, Resources and Assessment, J-8

Similar capability needs among the services provide opportunities to pool resources and expertise in execution of acquisition programs, especially in a constricting fiscal environment. The Navy is integrated with the Marine Corps, Army, Air Force and Joint Staff at many levels to build the future force.

Joint Strike Fighter (JSF)

The JSF F-35 program is built on four pillars, delivering an aircraft that is lethal, survivable, supportable and affordable. Affordability includes reducing the costs of development, production, and cost of ownership.

- The three F-35 variants are derived from a common design, developed together and use the same sustainment infrastructure worldwide. The multinational program is the focal point for DoD and allies.
- As the F-35 will replace aging fighter inventories including A-10s, F-16s, F/A-18s, and AV-8Bs, the platform must be capable of meeting all air-to-ground and air-to-air combat requirements. The three variants will also include stealth and improvements to reliability and maintainability.

Joint High Speed Vessel (JHSV)

JHSVs will enable fast intra-theater transportation of troops, military vehicles and equipment for the Army and Navy.

- In November 2008, the Navy awarded the contract for detail design and construction of the first JHSV, which will go to the Army, with options for up to nine additional ships. The Navy's first JHSV has been funded.

Joint Tactical Radio System (JTRS)

JTRS is developing an open architecture of radio waveform technology to allow multiple radio types – handheld, aircraft and maritime – to communicate with each other. The goal is to produce a family of interoperable, modular, software-defined radios that operate as nodes in a network for secure wireless communication.

- JTRS is a combination of five different programs with proven prototypes that are moving forward toward production.

The urgent needs process – equipping the warfighters

In addition to traditionally planned programs, rapidly changing needs in combat and contingency operations may lead to a component or Combatant Commander certifying a joint urgent operational need (JUON) statement, which is then validated by the Joint Staff. The Joint Rapid Acquisition Cell (JRAC) is tasked with addressing JUONs for proper resourcing and solution implementation among the services.

- The Navy has responded to component urgent operational needs for capabilities including weapons of mass destruction detection tools for boarding teams, small Unmanned Assault Vehicles for SEAL operations, and non-lethal weapons.
- DoN fulfilled JUONs for multiple intelligence, surveillance and reconnaissance capabilities, Mine Resistant Ambush Protected (MRAP) vehicles, and is working with the Army to review proposals for the MRAP-All Terrain Vehicles for Afghanistan.

Key Messages

- Joint programs allow the the Navy to increase its buying power through quantity and improve interoperability.
- The JRAC focuses on joint solutions using existing logistics and technology, including commercial off-the-shelf equipment.

Facts & Figures

- F-35 will replace at least 13 different aircraft for 11 nations.
- As of November 2008, DoD has executed more than \$470 million since Fiscal Year 2005 for nearly forty JUONs.
- The JRAC is charged with making decisions within 14 days and delivering solutions within two years.