(U) POWER PROJECTION STRATEGIC PORTFOLIO REVIEW (SPR)
Final DMAG Executive Summary

Background (U)

(U) The power projection SPR was co-led by the Under Secretary of Defense for Policy (USDP) and the Director, Cost Assessment and Program Evaluation (CAPE). Services, agencies, and combatant commands actively supported the SPR with expertise, analysis, and data. The insights from the SPR are intended to directly inform the FY17 Program and Budget Review (PBR) and to complement the ongoing Advanced Capabilities and Deterrence Panel (ACDP) efforts. The SPR also informs the broader strategic guidance articulated in the FY17-21 Defense Planning Guidance (DPG).

Though each SPR subsection generated unique insights and conclusions, one theme was pervasive: modest improvements to existing systems.
can provide operationally significant returns on investment while the DoD makes longer-term technological investments in pursuit of more expensive and riskier "leap-ahead" capabilities.

(3NF) Potential investments to existing systems include: low-cost missile defense; Virginia Payload Module on more subs; air launched torpedo; Tactical Tomahawk (TACTOM) with maritime strike capability; Long Range Anti-Ship Missile (LRASM).

(GNP) Potential investments that support leap-ahead capabilities include: railgun, unmanned underwater vehicle.

(U) These and other potential PBR17 issues are summarized in the table below.
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**EMRG**: The Strategic Capabilities Office (SCO) is working with the Navy and others to develop a land-based railgun.

**AFP Indirect Fire Protection Capability (IFPC)**: The Army will begin fielding IFPC for cruise missile defense in late FY19. IFPC uses a multi-mission launcher and leverages an existing sensor and missile.
15/17 Powdergun: SCO is developing a concept that will leverage the railgun projectile and sensor architecture on existing mobile Paladin howitzers.

Leveraging the Undersea Advantage (U)
Increasing Manned Submarine Capacity (U)

(5/16/2005) Increased Virginia Production: DoD could choose to increase submarine procurement.

Maximizing the Capability of Existing and Future Virginia Class Submarines (U)

(5/16/2005) Virginia Payload Module (VPM): While VIR class subs are extremely capable, they have limited vertical launch capacity.
VPM significantly expands vertical launch capacity (40 Tomahawk missiles vs. 12), PB16 plans would outfit 15 of 20 future production subs with VPM (2 within the FY17 FYDP). Outfitting five additional subs with VPM (two within the FYDP, at a cost of $1.1B) is a cost effective way to increase undersea capability and capacity.

Alternative Undersea Capabilities (U)
Unmanned Undersea Vehicles (U) UUVs could perform lower complexity missions

(b)(1) Sec. 1.4 (a),(b)(1) Sec. 1.4 (g)
SPR analysis has identified multiple options to upgrade the capabilities of current weapons, increase integration on additional platforms, mitigate risk for leap-ahead technologies, and consider higher risk, longer-term solutions.

Maritime Strike (U)
Maritime Strike Capable TACTOM: Currently TACTOM is employed from all US attack subs and large surface combatants, but only has a land attack capability. There is opportunity to upgrade TACTOM during the Navy's recertification process.

Land Strike (U)

Follow-On ATACMS: The US Army just completed an analysis of alternatives to determine ATACMS replacement options.
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Potential Programmatic (U)

(S/NF) The PNT tradespace is very complex and requires detailed analysis to identify the best combination of materiel solutions for weapon/platform pairings.

Foundational Studies (U)

(S/NF) The PNT tradespace is very complex and requires detailed analysis to identify the best combination of materiel solutions for weapon/platform pairings.

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