



NAVAIR Small Business Aviation Technology Conference

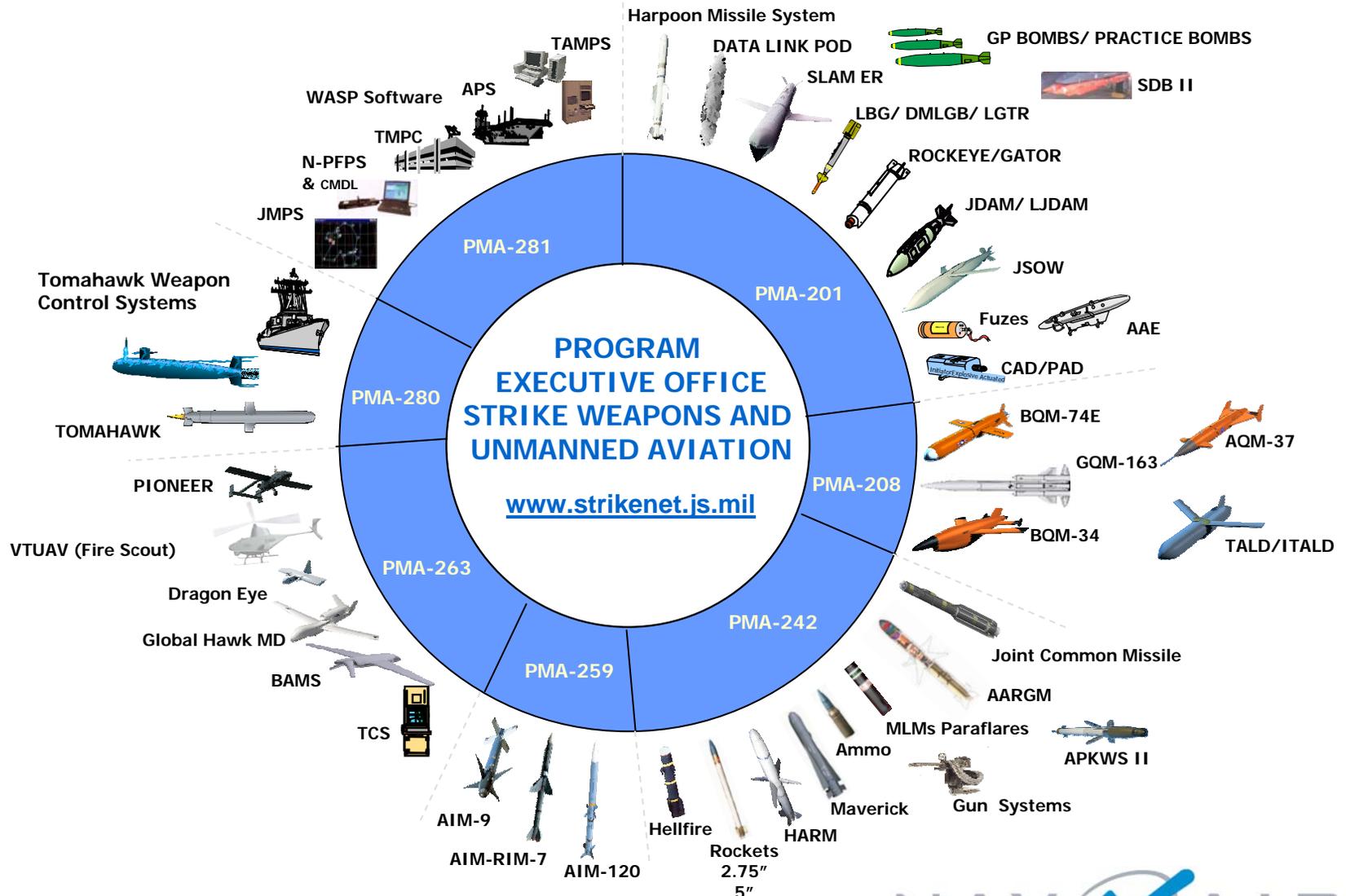
CDR Roger Budd
PEO(W) Chief of Staff
29-30 November 2006

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Program Executive Office Strike Weapons and Unmanned Aviation





PEO(W) SBIR Topics

- PEO(W) is typically allocated 3 to 5 topics per year
- Topics can be generated by small business, prime, or PMA staff
 - Topics must be supported, endorsed and submitted by a PMA
 - PEO topic allocation managed by PEO staff
- Topics can relate to any part of product line or supported mission
- Largest R&D budgets imply areas likely to most benefit from SBIR innovation
 - N-UCAS
 - BAMS
- PEO(W) SBIR office
 - 301-757-5888
 - 301-757-6317
 - 301-342-8941



PEO(W) Active SBIRs

- Phase I (7)
 - Direct & Time Sensitive Strike Program (6)
 - Unmanned Aerial Vehicles Program (1)

- Phase II (17)
 - Precision Strike Weapons Program (1)
 - Direct & Time Sensitive Strike Program (2)
 - Unmanned Aerial Vehicles Program (3)
 - Tomahawk Weapons Systems Program (7)
 - Strike Planning and Execution Systems Program (3)
 - Across PEO(W) Programs (1)



PEO(W) Phase IIIs

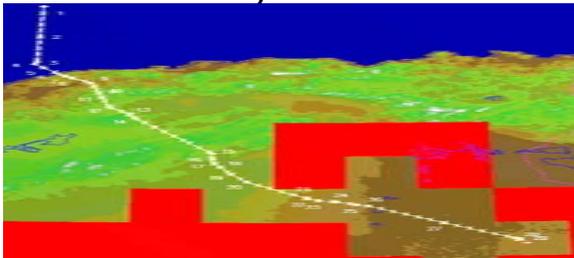
- 98-161, Tomahawk Route Planner, ASN funded w/RTT
- 02-139, High Power Laser for Naval Applications, ONR funded
- 02-156, Laser Diodes, ONR funded
- 02-159, Digital Motion Imagery Manipulation for UAVs, PMA-263 and ASN funded w/RTT
- 02-160, Intelligent Aid for HCI, Two Phase IIs, PMA-280 funded
- 03-017, User Interface Markup Language, PMA-280 funded



Exemplary SBIR Phase III - Transition to Production

Title: Applying Evolutionary Computation to Route Planning

- SBIR Number: N98-161
- PMA-281
- Description of Work: Plans and re-plans strike plans and potentially routes for multiple vehicles in real time for cruise missiles.
- Phase III was Quick Response Tomahawk Mission Planning Rapid Technology Transition (RTT) program effort.
 - Completed FY05
 - OT Testing FY06 – Operational release May 07



Title: Digital Motion Imagery Manipulation for UAV's

- SBIR Number: N02-159
- PMA-263
- Description of Work: Software tool which allows improved digital imagery handling in areas of acquisition, archival, retrieval, annotation, processing, and display needs.
- Phase III is VTUAV Ground Station Digital Video Exploitation (RTT) program effort.
 - FY06-07, funding from ONR
 - Transition to SDD in FY07
 - OT Testing FY08

