



2016 NDIA 27th Annual SO/LIC Symposium

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Deputy Director, Tactical Warfare Systems,
Land Warfare and Munitions



Key Messages

- **The SO/LIC community has strong support in OSD and on the Hill. You play a critical role in meeting our National Security objectives.**
- **Here are some things we are doing in OSD(AT&L) to support you:**
 - ASD(SO/LIC) / USD(AT&L) responsibilities
 - Strong working relationship with SOF AT&L
 - SOF Acquisition Summit
 - Newly established Electronic Warfare office
 - Cyber focus
 - Better Buying Power
 - Future Vertical Lift
 - Consortia – DOTC, VLC
 - Rapid Innovation Fund



SECRETARY OF DEFENSE
Honorable Ashton B. Carter



DEPUTY SECRETARY OF DEFENSE
Honorable Robert Work



UNDER SECRETARY OF DEFENSE
(ACQUISITION, TECHNOLOGY AND LOGISTICS)
Honorable Frank Kendall III



ASSISTANT
SECRETARY OF DEFENSE
ACQUISITION
Ms. Katrina McFarland

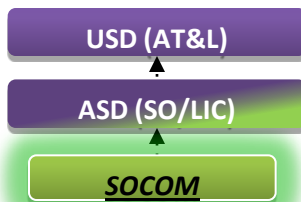


DEPUTY ASSISTANT
SECRETARY OF DEFENSE
TACTICAL WARFARE
SYSTEMS
Mr. James MacStravic

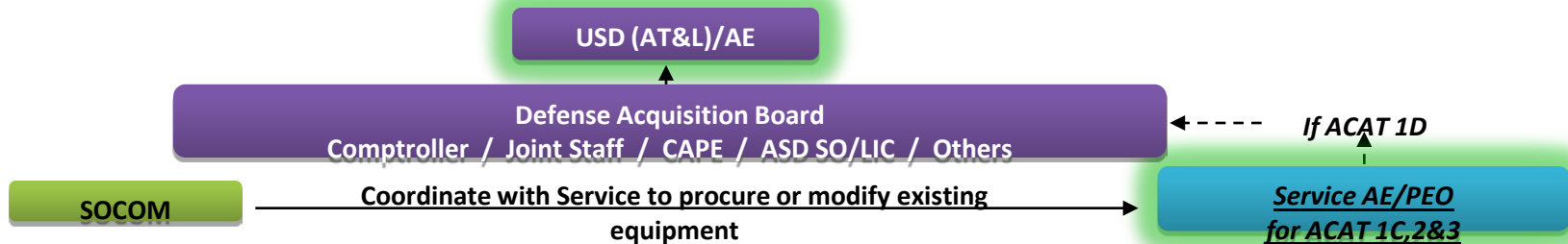


DEPUTY DIRECTOR,
LAND WARFARE &
MUNITIONS
Mr. Jose Gonzalez

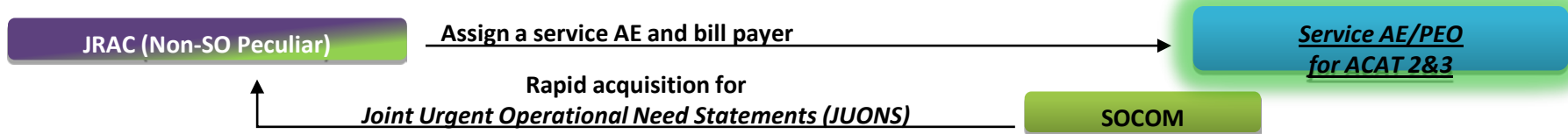
1a. SOCOM acquisition of ACAT 1C,2&3 capability in support of Combat Mission Needs (CMN) [SOCOM Funded]



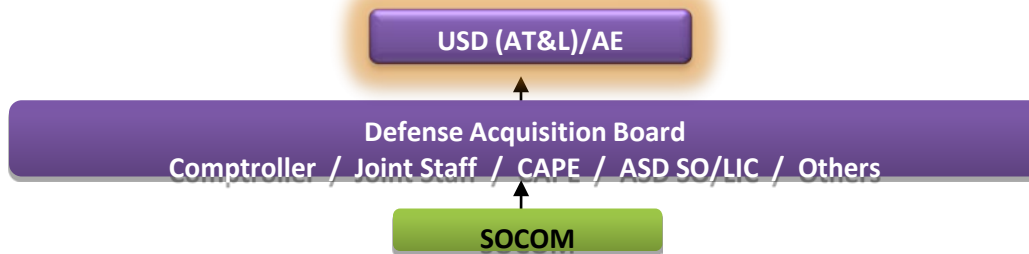
1b. SOCOM acquisition/modification of existing Service item [SOCOM Funded]



1c. Rapid acquisition of joint SOCOM capability [Service Funded]



1d. SOCOM peculiar acquisition of ACAT 1D capability [SOCOM Funded]



Legend:



Better Buying Power Principles

What are they?

- 1. Continuous improvement will be more effective than radical change**
- 2. Data should drive policy**
- 3. Critical thinking is necessary for success; fixed rules are too constraining**
- 4. Controlling life-cycle cost is one of our jobs; staying on budget is not enough**
- 5. People matter most; we can never be too professional or too competent**
- 6. Incentives work – we get what we reward**
- 7. Competition and the threat of competition are the most effective incentives**
- 8. Defense acquisition is a team sport**
- 9. Our technological superiority is at risk and we must respond**
- 10. We should have the courage to challenge bad policy**



Better Buying Power 3.0

Achieving Dominant Capabilities through Technical Excellence and Innovation

Achieve Affordable Programs

- Continue to set and enforce affordability caps

Achieve Dominant Capabilities While Controlling Lifecycle Costs

- Strengthen and expand “should cost” based cost management
- Anticipate and plan for responsive and emerging threats by building stronger partnerships between the acquisition, requirements, and intelligence communities
- Institutionalize stronger DoD level Long Range R&D Program Plans
- Strengthen cybersecurity Throughout the product lifecycle

Incentivize Productivity in Industry and Government

- Align profitability more tightly with Department goals
- Employ appropriate contract types, but increase the use of incentive type contracts
- Expand the superior supplier incentive program
- Ensure effective use of Performance-Based Logistics
- Remove barriers to commercial technology utilization
- Improve the return on investment in DoD laboratories
- Increase the productivity of corporate IRAD

Incentivize Innovation in Industry and Government

- Increase the use of prototyping and experimentation
- Emphasize technology insertion and refresh in program planning
- Use Modular Open Systems Architecture to stimulate innovation
- Increase the return on and access to small business research & development
- Provide draft technical requirements to industry early and involve industry in funded concept definition
- Provide clear and objective “best value” definitions so industry

Eliminate Unproductive Processes and Bureaucracy

- Emphasize acquisition chain of command responsibility, authority and accountability
- Reduce cycle times while ensuring sound investments
- Streamline documentation requirements and staff reviews
- Remove unproductive requirements imposed on industry

Promote Effective Competition

- Create and maintain competitive environments
- Improve DoD outreach for technology and products from global markets
- Increase small business participation, including more effective use of market research

Improve Tradecraft in Acquisition of Services

- Strengthen contract management outside the normal acquisition chain – installations, etc.
- Improve requirements definition for services
- Improve the effectiveness and productivity of contracted engineering and technical services

Improve the Professionalism of the Total Acquisition Workforce

- Establish higher standards for key leadership positions
- Establish stronger professional qualification requirements for all acquisition specialties
- Strengthen organic engineering capabilities
- Ensure development program leadership is technically qualified to manage R&D activities
- Improve our leaders’ ability to understand and mitigate technical risk
- Increase DoD support for STEM education

**Continue Strengthening Our Culture of:
Cost Consciousness, Professionalism, and Technical Excellence**

Future Vertical Lift

- **USSOCOM is actively collaborating as a member of all key IPTs**
- **Requirements peculiar to SOF rotary wing are being introduced for joint consideration**
- **Particular interest in FVL Capability Set 1 (light attack, reconnaissance, and assault variant)**
 - **Reconnaissance**
 - **Close Air Support/Attack**
 - **Direct Attack**
 - **Maritime Interdiction Operations**
 - **Medical Evacuation**
 - **Urban Assault/Security**
- **Vertical Lift Consortium is supporting our activities**
 - **www.verticalliftconsortium.org**



DoD Ordnance Technology Consortium

DoD Ordnance Community



Overarching Agreement
Section 845
Other Transaction

National Armaments Consortium



- OUSD (AT&L) LW&M
- Department of The Army
- Department of the Navy
- Department of the Air Force
- Special Operations Command
- DARPA
- DTRA
- Other Agencies and Departments

- Defense Contractors
- Small Businesses
- Academic Institutions
- Non Profit Organizations
- Not -for-Profit Organizations
- Non-Traditional Defense Contractors

DoD and NAC... Partnering to Leverage their Individual Capabilities and Investments



Government Participants





NAC Membership

Broad Participation Across the Country

21 CT, Inc.
AAI Corporation Inc.
Accurate Energetics Systems LLC
Accurate Munition Systems, Inc.
Ace Electronic Defense Systems
Action Manufacturing Company
Advanced Materials & Manufacturing Technologies, LLC
Advanced Powder Products, Inc.
AEgis Technologies Group Inc.
Aerojet Rocketdyne, Inc.
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ATI Flowform Products LLC
ATK Launch Systems Inc.
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Custom Electronics, Inc.
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Decilog, Inc
Defense Research Associates, Inc. (DRA)
Defined PRO Machining LLC
Design West Technologies, Inc.
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Digital Fusion Solutions, Inc., a wholly-owned subsidiary of Kratos Defense & Security Solutions, Inc.
Digital Solid State Propulsion LLC
DRS Sustainment Systems, Inc.
Dynamet Technology Inc.
Dynamic Air Engineering, Inc.
Dynamic Systems and Research, Inc.
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Dynetics, Inc.
EaglePicher Technologies, Inc.
Electronic Warfare Associates, Inc.

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Energetics Materials & Products
Energetics Technology Center
EnerSys Advanced Systems Inc.
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Frontier Performance Polymers Corporation
G. Schneider & Associates, Inc.
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General Dynamics Ordnance and Tactical Systems
General Sciences, Inc.
Georgia Tech Applied Research Corporation
GG Greene Enterprises Inc.
Gomez Research Associates, Inc.
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Gramago, LLC
Gunger Engineering
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HEM Technologies
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HT Microanalytical Inc.
Hughes Associates, Inc.
Hydracore Inc.
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IAP Research, Inc.
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Intelligent Automation, Inc.
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Jet Industrial Electronics
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JWF Defense Systems, LLC.
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Kaman Aerospace Corporation
Keystone Automation, Inc.
Kilgore Flares Company, LLC
Knight's Armament Company
Kranze Technology Solutions, Inc.
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L-3 Integrated Optical Systems - Brashear
L-3 Interstate Electronics Corporation
L-3 Mustang Technology
Laser Techniques Company, LLC
Lasertel, Inc.
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Logistics Engineering and Systems Integration Services, LLC
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NAC Membership

Broad Participation Across the Country

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Medico Industries, Inc.
Meggitt (Orange County), Inc.
Meggitt Defense Systems Inc.
Merrill Technologies Group
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Northrop Grumman Systems Corporation,
acting through Northrop Grumman
Information Systems sector, Defense
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Physical Sciences, Inc.
Polymer Processing Institute
Polymer Technologies, Inc.
Practical Energetics Research, LLC
QorTek, Inc.
QuesTek Innovations LLC
R. Stresau Laboratory, Inc. (dba Stresau
Laboratory, Inc.)
Raytheon Company
REL, Inc.
Resodyn Acoustic Mixers
Reynolds Systems, Inc.
Rockwell Collins
Rocky Mountain Scientific Laboratory
Sabre Global Services
Safety Consulting Engineers
SAIC
Savit Corporation
SciCast International, Inc.
SciTech Services, Inc.
Scot Forge Company
SCRA
Sechan Electronics
Security Signals, Inc.
Serco, Inc.
Seton Hall University
SMH International, LLC

Soligie, Inc.
South Dakota School of Mines and Technology
Southwest Research Institute
Spectra Technologies LLC
SRC Inc.
SRI International
St. Mark's Powder
Stanley Associates, Inc.
Stevens Institute of Technology
STG, Inc.
Streamline Automation, LLC (dba C3
Propulsion)
Subsystem Technologies, Inc.
Surface Optics Corporation
SURVICE Engineering Company, LLC
Systems and Materials Research Corporation
Systima Technologies, Inc.
Tanenhaus and Associates, Inc.
Tanner Research, Inc.
Targeted GeoSystems, LLC
TDA Research, Inc.
Teamvantage Molding LLC
Technical Professional Services, Inc.
Technology & Management International
(TAMI), LLC.
Technology Service Corporation
Technovative Applications
Tec-Masters Inc.
Teledyne RISI
Textron Systems Corp.
The Boeing Company
The Charles Stark Draper Laboratory, Inc.
The Curators of the University of Missouri
The Pennsylvania State University
The Shenton Group, Inc.
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TORC Robotics, LLC
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West Virginia University Research Corporation
Wireless Technology Associates, Inc.
WisEngineering, LLC
Woodward HRT, Inc.

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Ongoing Research Initiatives

\$948.7 million and 307 Initiatives Currently Under Contract...

As of 31 Dec 2015

Currently \$1.9 million of SOCOM requirements under DOTC contract...

prototype development of Improved Targeting Systems that will prototype and test improved targeting and situational awareness technology for pilots in the MH-60S aircraft to decrease sources of error and improve aircrew safety. Other active SOCOM initiatives include prototype development to improve the performance, safety, reliability and producibility of pyrotechnics simulators and signals.

www.nac-dotc.org

Opportunities to do business with DoD

- ASD R&E's Rapid Innovation Fund
(<http://www.defenseinnovationmarketplace.mil/rif.html>)
- ASD R&E's Defense Innovation Marketplace Site
(<http://www.defenseinnovationmarketplace.mil/business.html>)
- Rapid Innovation Fund - The Rapid Innovation Fund (RIF) provides a collaborative vehicle for small businesses to provide the Department with innovative technologies that can be rapidly inserted into acquisition programs that meet specific defense needs.
 - RIF is administered by the Office of the Secretary of Defense (OSD) Assistant Secretary of Defense for Research and Engineering (ASD R&E) and Office of Small Business Programs (OSBP)



Questions?