NDIA
Armaments Division
2009
Activity and Status Report

Small Arms Systems Committee

18-21 May 2009
Bally's Las Vegas Hotel
Las Vegas, Nevada

Armament Division
Dave Broden --Chairman
Broden Resource Solutions LLC
Vision

America’s leading Defense Industry association
promoting National Security

Mission

ADVOCATE: Cutting-edge technology and superior weapons, equipment, training, and support for the War-Fighter and First Responder

PROMOTE: A vigorous, responsive, Government - Industry National Security Team

PROVIDE: A forum for exchange of information between Industry and Government on National Security issues

“If I were inviting a colleague to join, I'd say the most compelling reason is the prestige of NDIA membership.” — NDIA member
Armament Division

- **Committees:**
  - Gun and Missile Systems
  - Small Arms Systems

- **Division/Committee Leadership:**
  - Armament Division: Dave Broden--Chair
    Broden Resource Solutions LLC
  - Gun and Missile Systems: Brian Tasson
    ATK-Mission Systems
  - Small Arms Systems: Brian Berger
    GD-OTS-Canada
NDIA Armaments Division Scope

Armament Division Committees and Related Scope:

- **Gun and Missile Systems**
  - Integrated Armament/Weapon Systems
  - Direct and Indirect Fire Weapon Systems
    - Cannon Caliber (Weapons and Ammo)
    - Vehicle, Helicopter, Aircraft etc.
  - Tank Cannons and Ammunition
  - Artillery/Mortar (Weapons and Ammo)
  - Shipboard Cannons (Weapons and Ammo)
  - Tactical Missiles
  - Integration Systems (Fire Control etc.)
  - Platform Interface and Integration
  - Training Systems

- **Small Arms Systems**
  - Integrated Small Arms Systems
  - Individual Weapons
  - Crew Served Weapons
  - Ammunition
  - Fire Control
  - Training Systems
Armament Division

Conference Themes 2009

- **Gun and Missile Systems:**
  - Shaping the Future in Weapon Systems Development, Deployment and Reset

- **Small Arms Systems:**
  - Enhancing Small Arms Effectiveness in Current and Future Operations

- **Theme Purpose and Focus:**
  - Relevant to DOD Thrusts/Trends
  - Linked to Programs and Technology
  - Strengthening Government and Industry Partnership
  - Confirming Innovative Industry Response to:
    - Evolving Needs
    - Ensuring Readiness
Armament Division
Joint Conference Theme 2010

- **Joint Theme:** 21st Century Weapon Systems---
  --Providing the Right Response

**Committee Focus Themes**

- **Gun and Missile Systems:**
  - Precision and Lethality in Medium and Large Caliber Systems

- **Small Arms Systems:**
  - Technology and Systems Sustaining and Evolving Small Arms Capability

Linking Armament Community Personnel, Systems, and Technology
- Leveraging Commonality--- Enabling Capability
- Ensuring Readiness
Armament Division
2010 Joint Conference Objectives

• A *Single Common Conference* for the Entire Armament Community
  • Government
  • Industry

• Discussion of Key Armament Policy, Requirements, Technology, Systems And Industrial Base Topics *Relevant to Both Committees*

• **Expanded Networking** Opportunities

• **Leveraging of Common** Technology, Subsystems, Components, Processes, and Capabilities

• Conference Synergism **Efficiencies**
  • Travel Once vs. Twice for Many Attendees--Economies

• **Flexibility of Session Attendance** (Move from one to another)
  • Expand Awareness of Technology and Systems

NDIA Plans --Repeat Every Three Years
Armament Division
2010 Joint Conference Opportunities

• Expanded **Networking** Among Government and Industry

• **Exhibits** Addressing Technology, Systems, and Services Applied in Both Gun and Missile Systems and Small Arms Systems

• **Expanded** Scope and Variety of **Presentations**

• Opportunities for "**Poster** Session Presentation"--Expanding the Number And Format of Presentations

• Committee Goal: Larger and Broader Group of Attendees---
  • Opportunity for **Focus on Keynote Speakers** etc.

• Program Format Enabling Attendee **Dialogue** with Key Speakers Panels and Forums

• **Expanded Firing Demo**--Technology and Systems Beyond Small Arms

Committee Welcomes Suggestions for Topics And Format Which Add Value and Opportunity
Armament Division
2010 Joint Conference Benefits

- Armament Community Communications
- Networking
- Single Conference Integrating Armament Companies, Resources, Capabilities, and Personnel
- Enabling Opportunities (New Programs, Partnerships, Cooperation)
- Awareness of Innovation in Technology and Services
- Communications and Understanding of Evolving DOD Trends, Thrusts, Budgets, Program Guidelines etc.
- Impact Discussions Regarding Industrial Base "Soft Landing"
Armament Division
2009 Activity Highlights

• Conference Interest, Participation, and Attendance Strong in Economic Change

• Strategic Initiative Actions Focused to "Continuous Improvements"
  • Program Content
  • Keynote Speakers
  • Joint Programs (Linking Divisions/Committees/Topics)

• Science, Technology, Engineering, and Mathematics (STEM)--Human Capital Objectives--Confirmed in Member Companies

• Attention to Education and Training at Conferences

• Membership Attention to NDIA "Top Issues"
  • "Input--Impact--Results"

• Input to Industrial College of Armed Forces Re: Industry Perspective
Armament Division
2009 Activity Highlights

• Small Arms Systems Membership Supporting OSD Small Arms Study
  • Internal DOD Assessment
  • Industry Comments and Assessment
• Plans for Future Conference Collaboration
• Discussion of DOD Study Support
• Executive Committee Operation Improvements
• Conference Participation Opportunities Initiatives
  • Updated Call for Papers
  • Panels
  • Joint Conferences
  • Poster Sessions
• Member Initiatives

• Ensuring "Value Added" Addressing Attendee and Member Interests
  • Executive Committee Actions
Armament Division

2009 Strategic Thrust Initiatives

• Continue Strategic Focus Thrusts—"Continuous Improvement"

• Conference Content, Format, and Presentation Quality Improvements

• Executive Committee Operation and Membership
  • Active Participation
  • Uniformed Membership

• Seeking DOD "Value Added Study" Initiatives
  • Ensuring Member Participation
  • Completing Objectives

• Expand Joint and Shared Conference Agendas with Other NDIA Committees/Divisions

• Strengthen Industry Conference Participation
  • Keynotes
  • Panels
  • Presentations
  • Exhibits
Armament Division

2009 Strategic Thrust Initiatives

- Conferences and Agendas Focused to Enabling Opportunities Which Ensure Continued Strength thru Innovation, Application of Resources, and Personnel during Economic Adjustment
  - *Provide for Capability Superiority and National Defense Readiness*

- Ensure *"Life Cycle System and Technology Focus"* in all Conferences

- Communicate and Support *Industrial Base "Soft Landing"* Capabilities

- Membership *Engagement in STEM Initiatives and Division*
  - Education
  - Mentoring

- Increased Active Input and Links to *"Top Issues"*

- Seek Expanded On-Going *Member/Attendee Input and Impact*
  - Direct to Committees/Dvision
  - Via Chapter Interface
Armament Division
Response to DOD Adjustments

• Conferences and Agendas Addressing Adjustments
  • National Defense Objectives
  • Budget Trends
  • Procurement Changes
  • Special Topic Conferences where Appropriate

• Ensuring Member Interests--Topics--Issues are Addressed

• "Top Issue" Input and Impact

• Effective Communication
  • National Defense Magazine
  • Website
  • Chapter Meetings
  • Armament Division Feedback

Communicate and Inform Members
Respond to Challenges
Armament Division
Attendee Support and Input

• Comments and Suggestions Regarding Conference Program
  • Locations
  • Content and Format
  • Format—Single vs. Concurrent Sessions
  • Exhibits
  • Presentations, Keynotes, Panels etc.

• 2010 Joint Conference Focus Topics and Activities
  • Topics
  • Format

• "Top Issue" Topics Benefiting Industry and Government

• Strengthening Networking

• Highlighting Topics to be Included

Member Input Ensures Responsive "Value Added" Conferences
Human Capital Status, Development and Utilization

- **Objective:** Ensure the Human Capital Resources are Available, And Have the Skills and Subject Matter Expertise to Support Armament System Technology, Development, and Production

1. Support for *STEM Initiatives* in Education and in Industry


3. Enable *Expanded Mentoring* and Links of Senior Subject Matter Expertise (SME's) with Entering Employees--Need to Build Armament Engineering and Manufacturing Capability by Mentoring etc.
   - *NDIA STEM Division*—Organized to Focus on Manpower Readiness

4. Provide for Challenging and Innovative Jobs and Tasks
Human Capital Status, Development and Utilization

• **Opportunities for NDIA Members:**
  - Expand Activity in STEM Initiatives
    - Within Companies
    - In Communities
    - With NDIA
  - NDIA Conferences Regarding Workforce etc.
    - **Manufacturing Workforce Symposium**
    - 16-17 June 2009
    - Crown Plaza-O'Hare Airport
    - Chicago

• Top Issue Focus and Actions
NDIA Top Issue Topics 2009

- **NDIA Top Issue Objectives:** Guide Association's Advocacy and Educational Activities Throughout Each Year

- **Top Issue Focus Approach:** Broad Topics -- Essential to Maintaining Strong Viable Defense Industry Capable of Meeting US National Security Requirements

- **Developed by:** Senior NDIA Industry Leadership--Approved by Board of Directors
  - Input from Divisions and Committees-- *Opportunity for Impact*

- **Distributed to:** Congress, Key Decision Makers with Executive Branch, Allied Governments, Industry Leaders, and Association Membership.

  *Consideration of Topics and Action by Appropriate Government Officials*
Armament Division
"Top Issue Topics"--Member Input

• Participation in Identifying and Developing Annual "Top Issues":
  • Attendees/Members Identify Issue Topics
  • Executive Committee Submit Topic, Rationale, and Benefits to Legislative Affairs Committee

• "Top Issue" Communication to Members
  • "Top Issue" Annual Document
  • Conference And Symposium Briefings Updates
  • National Defense Magazine
  • NDIA Website

• "Top Issue"--Action Impact Awareness
  • To Policy
  • To Programs
  • To Procurement (Contract Type, FAR etc.)
  • To Regulations (e.g. ITAR, FAR, etc.)
  • Small Business
  • "Soft Landing"
Issue 1: Improve The Workforce Advantage To Ensure US National Security

• Strengthen Science, Technology, Engineering, and Math (STEM) Educational Opportunities for US Citizens

• Improve Education, Training, and Retention of the Federal Acquisition Workforce

• Relieve Industrial Security Clearance Backlog And Ensure Timely Processing of Industrial Security Clearances
Issue 2: Maintain A Responsive and Capable Defense Industrial Base

• Develop and Implement Advanced Manufacturing Technology

• Attract And Retain a Skilled Manufacturing Workforce

• Modernize Defense Manufacturing Facilities

• Environmental Protection

• Increase Funding for Ground Robotics Research, Development, and Engineering
Issue 3: Ensure The Integrity and Responsiveness of the Acquisition Process

• Support Existing Laws and Regulations Concerning Contractor Voluntary Disclosure

• Contractor Ethical Conduct

• Ensure The Government Has Full Access to Commercial Products and Services

• Ensure The Integrity and Accessibility of the Interagency Contracting Process
Issue 4: Increase Government Contract Usage of All Small Businesses

- The Role of Women Owned Small Businesses
- Support Legislative Reforms to Increase Women Owned Small Business Access to All Industry Categories
- Improve Intellectual Property Protection for Small Business
- Permanently Reauthorize the Small Business Innovative Research Program (SBIR)
- Repeal the Three Percent Withholding on All Government Contracts
- Create Benefit Parity for Service Disabled Veteran Owned Small Businesses (SDVOSB)
Issue 5: Sustaining Military Readiness While Providing For the Future

- Increase Funding for Modeling and Simulation (M&S) Research, Development, and Procurement

- Evolve Enterprise Information Environments and Security

- Enhance Readiness: Training, Simulations, and Education

- Partner with Industry In Efforts to Streamline Policies, Programs, and Business Practices Relative to Transformation
Issue 6: Ensure International Competitiveness of US Defense Industrial Base

• ITAR Broker Registration/Requirements of ITAR Part 129 for Foreign Nationals

• United States Army Security Assistance Command

• Support the Coalition for Security and Competitiveness

• Reinforce U.K. And Australian Defense Cooperation Treaties

• Supplement or Revise The Foreign Assistance Act and Export Controls Act

• Train and Equip Foreign Partners in The Global War on Terrorism
Issue 6: Ensure International Competitiveness of US Defense Industrial Base

• Expand Section 506 Draw Down Authority

• Increase Congressional Notification Threshold

• Establish Defense Coalition Support Account

• Support the Blue-Lantern-Golden Sentry Education Program

• Improve Defense Technology Transfers Among US Partners and Allies

• Resolve Dual National Issues While Protecting US Interests.
Evolving Industrial Base Vision

Ensured National Integrated Mobilization Resources

DOD GOCO and Related Facility Resources Capability

Armament/Weapons Industrial Base
Responsive to "Balanced" Force Response Capability

Legacy Systems
- Modernization
- Staffing
- Supply Chain
- Affordable
- Proven
- Adaptable

"New"
- Facilities
- Schedule
- Manpower

"Emerging"
- IB Criteria
- Planning
- Impact

New and Emerging Technology and Systems Capability
Must be Coordinated and Integrated with Legacy Resources Where Appropriate

Readiness Assured Integrity="Soft Landing"
Linking "Stakeholders" for National Security Readiness Enables a Responsive, Innovative, and Evolving Industrial Base Capability

- Industrial Base Readiness
- Technology/System Evolutions
- International Cooperation
- Acquisition Reform
- Program Execution

- Economic Strength
- Manpower Readiness
- Education
- Technology Innovation
- International Trade
- Industry Resources
- Investment Capital
Armament Division
2009 Challenges

• **Maintaining Armament Division Strength** Thru Active Participation During Economic Adjust

• Structuring Conferences With *Topics Focused and Relevant* to DOD Adjustments and Plans Related to Industrial Base "Soft Landing"

• Establishing Industry Response to: "*Balanced Capability and Assured Readiness*--"Balancing Legacy with Evolving and New Capability"

• Strengthening *Partnerships*
  - Government and Industry
  - US and International Community

• Ensuring that Conferences Integrate *Innovative and Visionary* Capability Complementing Legacy Resources

• Membership/Attendee Participation in *"Top Issues"*
Armament Division
Leadership Vision

• A *Relevant Voice and Forum*--Enabling Government/Industry Impact to Issues/Topics

• NDIA Mission Statements Shape Armament Division--*Strategic Focus*

• A *Forum for Response to DOD and Industry Challenges*

• A Forum Enabling *Response to "Lessons Learned" and Evolving Needs*

• Supporting National Defense through *People, Resources, Networking, and Conferences.*

• *Transforming to Ensure Relevance* to Changing Military, Geopolitical, Technology, Systems and Industrial Base Capabilities

**NDIA is Resource of Choice for Excellence and Leadership National Defense Topics/Communications**
Armament Division
Seeking Conference Attendee Suggestions/Recommendations

• Armament Division Leadership is Committed to Quality, "Value Added" Conferences that Are Responsive to Attendee Interests

• Attendee Suggestions are Welcomed throughout the Year

• Response to NDIA Conference Questionnaire

• Comments to Leadership (Discussions, email, telecom etc.)

• Comments Regarding: Conference Location, Length, Format, Speaker Topics, Presentation Topics, Presentation Approach, Panels, Exhibits, Poster Sessions, Demos, New Approaches, etc.

Continuous Improvement Strengthens Network Communications And Enables Innovation In Technology and Systems--Building Preparedness and Readiness Response
Armament Division
Take-Away Thoughts

• NDIA *Mission is Focused* to Strength, Responsiveness, Readiness, and Human Resources

• NDIA Strategic Focus Committed to Continuous Improvement------
  • "Value Added", Responsive, Adaptable, and Impacting Issues, and Ensuring Resources and Skilled Human Capital

• **Collaboration and Joint Conference Activity** Offers Efficiency and Expanded Scope and Depth Available to Members

• **Member/Attendee Input/Interests** is Key Conference Planning Focus

• NDIA Conferences, Communications, and *Networking Enables Adaptability* During DOD and Economic Adjustment

• **Training and Education** Segment Increases Awareness of Trends and New DOD Program, Budgeting, and Contract Initiatives
Summary-Wrap Up

- **Armament/Weapons Industrial Base** has a strong, responsive and proven structure and capability.

- "New" and "Emerging" Technologies and Systems must be integrated into the industrial base on a timely and effective basis.

- Industrial "Soft Landing" focus is critical to maintaining readiness for a "Balanced" capability of legacy and "New" technologies.

- **International Cooperation** has been a key element of armament/weapons capability—cooperation and international sales opportunities must be maintained. Industry supports and encourages trade.

- Acquisition and program management topics must continue to be a focus—Contract Reform, JCIDS, Execution, Collaboration etc.

- **Manpower Resources** for must evolve to support the industrial base—STEM.

- **Innovation** must be a central theme in industrial base and government activities.

- **Economic Conditions** must not divert national security preparedness—Enabler for economic recovery.