

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

- 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:**

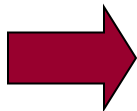
- Relevant to DOD Thrusts/Trends
- Linked to Programs and Technology
- Strengthening Government and Industry Partnership
- Confirming Innovative Industry Response to:
 - Evolving Needs
 - Ensuring Readiness

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

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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**

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

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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

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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/Division
 - Via Chapter Interface

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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**

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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
 2. **Manufacturing Personnel Training** Including Tool Design and Machine Operators
 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**

**Recommend
Participation
And
Support**

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**

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"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"

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

Public Trust
And
National Support

- Economic Strength
- Manpower Readiness
- Education
- Technology Innovation
- International Trade
- Industry Resources
- Investment Capital

National Security
Preparedness

Economic
Strength and Stability

Linking "Stakeholders" for National Security
Readiness Enables a Responsive, Innovative,
and Evolving Industrial Base Capability

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 an Strong, Responsive and Proven Structure and Capability
- *"New" and "Emerging" Technologies and Systems* Must be Integrated into Industrial Base on Timely and Effective Basis
- Industrial *"Soft Landing"* Focus is Critical to Maintaining Readiness for a *"Balanced"* Capability of Legacy and "New"
- *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 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