

Manufacturing Division

2009 Theme, Objectives and Deliverables

Edward Morris, Chairman
John VanKirk, Vice-Chairman

2009 Manufacturing Division Theme & Approach

“Advancing Defense Manufacturing for Affordability and Security”

Approach:

- Advocate the use of Manufacturing Readiness Levels and Assessments (MRLs & MRAs) throughout the DoD Acquisition community
- Promote the joint role of systems and manufacturing engineering to rapidly develop producible, affordable weapon systems
- Promote the development of manufacturing capabilities that enhance weapon system affordability and national security
- Foster the development of a DoD Supply Chain Network that consistently supports the ever-changing needs of the Defense community
- Provide a forum for focused attention on the actions required to ensure a viable defense manufacturing workforce
- Promote a total life cycle approach to product sustainment and sustainable manufacturing for environmental and economic stewardship

Defense Manufacturing Communications Committee

Ron Perlman, Chairman
Gordon Stables, Vice-Chairman

Objective: *Enhance visibility of the Defense Manufacturing Stakeholders regarding:*

- *The Defense Manufacturing Workforce*
- *Critical Manufacturing Technology Issues*
- *Supply Network Chain Issues*
- *Obsolete Industrial Base Issues*
- *Regulatory issues (like the ITARs)*

Deliverables: *Facilitate communications with --*

- *Obama Transition Team and new Administration personnel*
- *Old & New House & Senate Members (Armed Services and other committee)*
- *House Manufacturing Caucus*
- *NDIA Logistics & Small Business Divisions,*
- *Relevant associations like NACFAM, NGAUS, NAM, etc.*
- *State and Local organizations (like the MEPs)*
- *A 2nd Manufacturing Division White Paper*
- *An NDIA Manufacturing Division Newsletter*

DoD Supply Network Management Committee

Des Newman, Chairman

Kenneth W. Sullivan, Vice-Chairman

Steven A. Melnyk, Technical Advisor

Jamie Damsker, Secretary

Charter:

To promote the development of a more robust Defense Industrial Base and Supply Chain Network Process in order to increase the strength and diversity of the Defense Manufacturing Enterprise in support of the Warfighter.

Objective:

Foster the development of a DoD Supply Chain Network that consistently supports the ever-changing needs of the Defense Community

Approach:

- *Monitor, assess, and report on the state of the Defense Supply Chain in a timely manner.*
- *Recognize that key technologies and components for increasingly complex weapon systems require new ways to communicate with an expanding global supply chain.*
- *Identify and share the methodologies, tools, systems and best practices that will improve the Supplier Network Readiness Levels to accelerate production, reduce costs, improve visibility and enhance security.*
- *Focus on assessing, describing, and improving the “fit” between the capabilities of the Defense Supply Chain and the demands of its critical customers.*
- *Improve the overall attractiveness of the Defense Supply Chain to qualified firms and potential participants.*
- *Be recognized as a credible source of supply chain information for the Defense Supply Chain and other stakeholders.*

2009 Deliverables:

1. *Complete, compile and report on the results of the Committee's 2008 SME Supply Chain Survey.*
 - **Status:** *Survey is on the NDIA website and committee members are conducting a beta test. Plan to roll out in the February/March time frame.*
2. *Develop and oversee a "Supply Network" portal on the NDIA website that will provide a source for supply chain best practices and function as a body of knowledge with the intent to improve the readiness of the defense manufacturing supply network.*
 - **Status:** *This activity is still in the discussion phase and will be the main point of discussion at the committee meeting in February.*
3. *Coordinate our DOD Supply Chain Network Committee activities with other interested groups in the field.*

Technology for Manufacturing Committee

Kevin Fischer, Chairman
Mark Gordon, Vice-Chairman

Mission:

Advocate a unified industrial voice representing manufacturing technology resources and needs, which can be communicated with defense and government decision makers for priorities and action

Charter:

- *Actively support collaboration between government, industry, universities, associations and consortiums to promote manufacturing capability*
- *Provide access to industry manufacturing technology sources and expertise*
- *Identify and develop consensus on key manufacturing technology issues*
- *Communicate manufacturing technology trends and needs in a unified voice to defense and government decision makers*
- *Support the development and pursuit of ManTech strategic plans and roadmaps*
- *Facilitate alignment of DoD and industry manufacturing technology priorities*

Approach:

- *Advocate the use of Manufacturing Readiness Levels and Assessments (MRL & MRA) throughout the DoD Acquisition community*
- *Promote the joint role of systems and manufacturing engineering to rapidly develop producible, affordable weapon systems*
- *Promote the development of manufacturing capabilities that enhance weapon system affordability and national security*
- *Foster the development of a DoD Supply Chain Network that consistently supports the ever-changing needs of the Defense community*
- *Provide a forum for focused attention on the actions required to ensure a viable defense manufacturing workforce*
- *Promote a total life cycle approach to product sustainment and sustainable manufacturing for environmental and economic stewardship*

Objective:

Promote the development of manufacturing capabilities that enhance weapon system affordability and national security with the objective to significantly contribute towards addressing specific manufacturing technology needs

2009 Deliverables:

- 1. Create a white paper on Industrial Response to ManTech Strategic Plan (for release by NDIA during 2009) that identifies gaps, prioritizes needs, and recommends actions necessary for industry to support the Strategic Plan*
- 2. Actively support implementation of Manufacturing Readiness as required by the new DODI 5000.2; and enable the registering of qualified NDIA members with relevant expertise*
- 3. Recommend and secure endorsements for specific manufacturing technology initiatives (e.g. CCAP)*
- 4. Provide specific manufacturing technology issues for the NDIA Top Issues publication (due around June)*
- 5. Actively engage with the Joint SED/Mfg Division Committee to insert manufacturing interests in their priorities*
- 6. Stretch: Include a Sustainable Manufacturing deliverable*
 - Organizationally define what sustainable manufacturing means for defense industry?*
 - Identify manufacturing technologies that are critical for sustainable manufacturing?*

Manufacturing Workforce Committee

Ralph Young, Chairman
Greg Woods, Vice-Chairman

Manufacturing Workforce

Objectives:

- 1. Provide a forum for focused attention on the actions required to ensure a viable defense manufacturing workforce*
- 2. Increase the Manufacturing Division's involvement and visibility regarding Manufacturing Workforce Issues and Opportunities.*

2009 Deliverables:

- 1. Continue to support presentations of Workforce Issues and Opportunities at DMC 2009.*
- 2. Continue to develop a close working relationship with NDIA's National Security Science and Technology Workforce Division.*
- 3. Sponsor a stand alone two day symposium on Workforce Solutions in June 2009.*
- 4. Begin collaborating with other entities (possibly MEP's, DOL's Wired) to further increase the visibility of Workforce Issues and Opportunities.*
- 5. Begin to develop a working relationship with Defense Acquisition University on Manufacturing Issues.*

Joint Committee for Systems Engineering and Manufacturing

Michael Packer, Co-Chairman

Tom Christian, Co-Chairman

Objectives:

1. *Integrate manufacturing engineering considerations within the Systems Engineering (SE) domain early in the development phase of weapon system acquisitions*
2. *Develop & disseminate guidelines for early manufacturing / producibility practices and procedures throughout the defense industry*
3. *Promote continuous collaboration between the government and industry systems engineering and manufacturing communities*
4. *Improve processes for transitioning weapon systems from development to production*
5. *Exam major policy issues affecting mfg engineering and producibility*

2009 Deliverables:

- *Policy Subcommittee:*
 - Working relationship with SE policy makers – [in work]
 - Proposed changes to current SE policies & processes and implementation approaches / strategies – [in work]
- *People Subcommittee:*
 - Defined competencies for today's producibility engineer – [in work]
 - Gain broader & deeper participation across industry, leading to effective buy-in and implementation – [in work]
 - Training curriculum outlines and implementation approaches / strategies – [next]
- *Modeling & Simulation Subcommittee:*
 - White paper outlining identifying industrial base supply chain “war gaming” simulation needs– [draft complete]
 - White paper identifying product and process centric analysis needs for SE producibility evaluations – [in work]

Military Power Sources Ad-Hoc Committee

Jim Gucinski, Chairman
Tom Byrd, Co-Chairman
Rebecca Morris, Co-Chairman

Charter:

To be the collective voice of industry to DOD / US Government on issues related to electro-chemical power systems while keeping the Warfighters' interest number one.

The above will be accomplished by quarterly information exchange meetings that encourage networking and joint issue resolution.

Objectives and Approach:

- 1) Raise Importance of Power Systems
 - Interaction with Government program officers and Defense Logistic Agency
- 2) Maintain / Establish Domestic Manufacturing base
 - Forecasting
 - Acquisition Strategy
 - Minimum Sustainment and Ability to Meet surge Demands
- 3) Promote Technology Improvements
 - Inputs to the power technology development roadmap
 - Technology Insertion Processes
- 4) Standardization efforts- battery families, connector families

2009 Deliverables:

- *Participation and audience with applicable DoD personnel, DLA, CERDEC, PM-MEP, etc.*
- *Creation of white paper on Military Power Sources issues for circulation amongst US government policy makers*
- *Article for DTIC Magazine*
- *Presentation of Committee Activities at Joint Services Power Sources Expo*
- *Investigation of Communication Electronics (CE) Interfaces*
- *Support Power Sources Roadmap evaluation*