MEP Advisory Board

Tuesday, March 5, 2024
Wednesday, March 6, 2024

FACA Board Meeting

This is a simplified version of the presentation for website purposes.
Day One Agenda
Tuesday, March 5, 2024

Welcome and Introductions

Briefing from Associate Director of Innovation and Industry Services, Mojdeh Bahar

Director’s Update

SCOIN Update

Lunch

EV Panel Discussion and Q&A

Public Comment and Day One Wrap Up
Day Two Agenda
Wednesday, March 6, 2024

Welcome Back

Discussion & Reflections of Day One

Aerospace Panel

Secretary Gina Raimondo
U.S. Department of Commerce

Around the Room and Meeting Wrap Up
FACA and the Advisory Board

• The MEP Advisory Board is authorized under Section 3003(d) of the America COMPETES Act (Pub. L. 110–69), as amended by the American Innovation and Competitiveness Act, Public Law 114–329 sec. 501 (2017), and codified at 15 U.S.C. 278k(m), in accordance with the provisions of the Federal Advisory Committee Act, as amended, 5 U.S.C., App.
Welcome from the MEP Director

Pravina Raghavan
MEP Director
Welcome to Washington, DC

Bernadine Hawes
MEP Advisory Board, Chair
Introductions

The MEP Advisory Board

Chair: Bernadine Hawes, Econsult Solutions, Inc.
Vice Chair: Donald Bockoven, Darling Fibers

- Beth Bafford, Calvert Impact
- Winston W. Chang, Snowflake
- Dr. Jermaine Ford, Ed.D., Florence-Darlington Technical College
- Louis Foreman, Enventys Partners
- Gail Friedberg Rottenstrich, Zago Manufacturing Company, Inc.
- Michael Garvey, M-7 Technologies
- Sean Ketter, Oshkosh Corporation
- Miriam Kmetzo, Welding Technology Corp.
- Chris Mathews, National Custom Hollow Metal Doors and Frames & Maple Leaf Awning & Canvas
- Pat Moulton, Central Vermont Recovery Officer
- Dr. Annette Parker, South Central College
- Candice M. Smith, The Boeing Company
- Tyrome Smith, Common Mission Project
- David Vasko, Industry Consultant
Welcome New MEP Advisory Board Members

Dr. Jermaine Ford, Ed.D.  
Florence-Darlington Technical College

Winston W. Chang  
Snowflake

Candice M. Smith  
The Boeing Company
Briefing from Associate Director of Innovation and Industry Services

Mojdeh Bahar
Associate Director,
Innovation and Industry Services,
NIST
Director’s Update

Pravina Raghavan
MEP Director
NIST MEP Director’s Update

- New Staff
- Budget
- Center State Competition
- MEPNN Strategic Plan Metrics and Updates
New NIST MEP Team Members

- Division 481 – Network Agreements Management
  - Bryana Head, Competitions Management

- Division 483 – National Programs
  - Justin Muldrich, General Engineer

- Division 484 – National Platforms
  - Nathan Ginty, Division Chief National Platforms
  - Angelina Rivera, Supply Chain Group Manager

- Division 486 – Internal Operations
  - Swati Goel, IT
NIST MEP Org Chart

480 Office
Pravina Raghavan
Monica Claussen
Beverly Bobb
External Events/PACA

Deputy Director
Nagesh Rao

481 Network Agreements Management
Melissa Ayala, Chief
A Group (481.01)
Nadine DeJesus, Group Manager
Scott Dockum (NE)
Tom Williams (NE)
Gerson Santos-Leon (MW)
Gloria Solomon (M)
Tony Mastalski (M)

B Group (481.02)
Vacant, Group Manager
Selcou Johnson (SE)
Brooke Linehan (E)
Andrew Nobleman (E)
Julia Shriner (W)

Panel Review Manager
Diane Henderson

Competitions
Bryana Head

482 Performance Evaluation and Economic Impacts
Mark Schmit, Chief
Megan Spangler (482, 484)

Performance Metrics and Evaluation
Steve Campbell, Group Manager
Megan Blum
Kim Coffman
Missy Davis
Holly Jackson

Center Business Intelligence
Nico Thomas

483 National Programs
Jyoti Malhotra, Chief
Carol Shibley (483, 486)

Food
Cybersecurity
Industry 4.0
MATTR/MATTR+
Semiconductors
Includes other MEP programs

Jose Colucci-Rios
Doug Devereaux
Brian Lagos
Justin Mudrich
Jennifer Rosa
Michael Taylor
Savann Thom
Marlon Walker

484 National Platforms
Nathan Ginty, Chief
Network Knowledge Management Workforce

Ben Vickery, Group Manager
Wiza Lequin
Matt Fieldman (Detroife)

Supply Chain
Angelina Rivera, Group Manager
Robert Barnes
Samm Webb

485 Outreach and External Affairs
Nicole Ausheran, Acting Chief
Legislative Affairs
Press and Public Relations
Social Media and Communications
Katie Rapp

486 Internal Operations
Heather Mayton, Chief
HR
Budget
Finance
Autumn Hernandez
Sevan Simonian

Program Compliance and Audit
Joy Neal
IT
Swati Goel
Justin Mocca
Bryan Wade (CISM)
Front Desk
Michele Montgomery

Last Updated February 26, 2024
MEP Program Budget Outlook

FY 2023
Final Appropriation Status

- $175 million for MEP
- $13 million in disaster supplemental
- Funding not subject to cost share requirements (elective for Centers receiving state funds conditioned on federal cost share requirement)

FY 2024
Appropriation Status

- CR through March 8, 2024
- $277.2 million for President’s budget
- $175 million* Congressional CJS Appropriations Bill from 3/3/24
  - Return of Cost Share requirements
  - House to vote on Wednesday, 3/6/24
  - Senate to vote on Friday, 3/8/24

*Numbers are subject to change
## NIST MEP Projected Spend Plan:
Continuing Resolution through March 8, 2024

<table>
<thead>
<tr>
<th>Available funding:</th>
<th>Millions</th>
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<tbody>
<tr>
<td>CR Funding Through 3/8/24</td>
<td>76.5</td>
</tr>
<tr>
<td>Carryover from FY2023</td>
<td>5.7</td>
</tr>
<tr>
<td>PY Recoveries</td>
<td>3.7</td>
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<tr>
<td>Total available funding</td>
<td>85.9</td>
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</table>

<table>
<thead>
<tr>
<th>Planned expenditures:</th>
<th>$ Millions</th>
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</thead>
<tbody>
<tr>
<td>Center renewals</td>
<td>73.9</td>
</tr>
<tr>
<td>Contracts</td>
<td>1.6</td>
</tr>
<tr>
<td>NIST MEP Labor</td>
<td>5.8</td>
</tr>
<tr>
<td>NIST and program overhead</td>
<td>4.6</td>
</tr>
<tr>
<td>Total planned expenditures</td>
<td>85.9</td>
</tr>
</tbody>
</table>

*Numbers are subject to change*
# Recompetition of the MEP National Network

<table>
<thead>
<tr>
<th>Date</th>
<th>Region</th>
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</thead>
<tbody>
<tr>
<td>Jan. 1, 2025</td>
<td>Florida</td>
</tr>
<tr>
<td>July 1, 2025</td>
<td>Colorado, Connecticut, Indiana, Michigan, New Hampshire, North Carolina, Oklahoma, Oregon, Tennessee, Texas, Virginia</td>
</tr>
<tr>
<td>Oct. 1, 2026</td>
<td>Alabama, Arkansas, California, Georgia, Louisiana, Massachusetts, Missouri, Montana, Ohio, Pennsylvania, Puerto Rico, Utah, Vermont</td>
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<tr>
<td>April 1, 2027</td>
<td>Delaware, Hawaii, Iowa, Kansas, Maine, Mississippi, Nevada, New Mexico, North Dakota, South Carolina, Wyoming</td>
</tr>
<tr>
<td>July 1, 2029</td>
<td>Alaska</td>
</tr>
</tbody>
</table>
Helping SMMs Overcome Challenges

Mitigating supply chain vulnerabilities

Narrowing the workforce gap

Leveraging technology
Mitigating Supply Chain Vulnerabilities

- **Goal**: Increase engagement with critical domestic manufacturing industries to mitigate supply chain vulnerabilities.
- **Goal**: Mitigate supply chain vulnerabilities by increasing MEPNN’s business risk assessment and mitigation projects.

Narrowing the Workforce Gap

- **Goal**: Grow the number and depth of partnerships that are workforce-supporting.
- **Goal**: Increase the number of advanced manufacturing training projects delivered.

Adopting and Leveraging Technology

- **Goal**: Increase advanced manufacturing technology awareness and education engagements (projects) targeted to smaller manufacturers (<100 employees) in order to better prepare manufacturers to adopt new technologies.
- **Goal**: Increase cybersecurity awareness and adoption projects to make manufacturers more resilient and prepared to adopt new technologies.
Engaging Industries Critical to US Supply Chain

Progress Against 12-Month Goal

 FY2024 YTD: 148
 Goal: 492

Distribution of Clients Served

- Battery: 70
- Minerals and Materials: 19
- Pharma: 47
- Semiconductor: 12
Assessing and Mitigating Business Risk Through Resiliency Planning

- MEP Centers help make manufacturers more resilient
- **Goal**: Mitigate supply chain vulnerabilities by increasing MEPNN’s business risk assessment and mitigation projects
  - 12-month goal of **775 projects** would represent 3% increase from previous performance periods
Expanding Workforce Partnerships to Narrow Workforce Gap

Goal: Grow the number of partnerships that are workforce-focused

- 12-month goal of 3% would result in 21 new partnerships
- Overall, MEIS still reflects 690 workforce supporting partners
- However, 6 new partners were added. 6 older partners were removed which mitigated net growth
Workforce: Training Manufacturers to Leverage Advanced Manufacturing Technology

- Identified Center reported projects that were related to the following advanced manufacturing practices:
  - Augmented reality/virtual reality
  - Cloud
  - Artificial intelligence
  - Automate
  - Robots/cobots

- Once advanced manufacturing tech projects identified, then focused search to only include training engagements

- **Goal**: Increase the number of training projects focused on advanced manufacturing technology
  - Reaching a 12-month goal of 75 projects in FY2024 would represent a 15% increase
  - MEP Centers have completed 38 projects in FY2024 YTD
Building a Future Pipeline of Workers

- NIST MEP and MEP Centers are focused on increasing awareness of modern manufacturing jobs and **ALL** the people who work in them in order to:
  - Rebrand the public image of manufacturing nationally and in the states
  - Broaden partnerships and connections with educational and other entities working in this space

- Annual campaigns and resources developed and shared across the Network and various communications channels
Adopting and Leveraging Technology
Awareness and Education on Advanced Manufacturing Technologies to Small Manufacturers (<100 employees)

- Identified Center reported projects that were related to the following advanced manufacturing practices:
  - Augmented reality/virtual reality
  - Cloud
  - Artificial intelligence
  - Automate
  - Robots/cobots
- **Goal**: Increase adoption of technology by smaller manufacturers by engaging and exposing more technology to these companies (more projects)
  - 12-month goal of 190 projects completed would result in a 10% increase
Increasing Cybersecurity Awareness and Adoption Among Manufacturers

- Cybersecurity is **critical** to the implementation of **technology** and **resiliency** of supply chains
- **Goal**: Enable manufacturers to safely adopt technology through stronger cybersecurity practices
  - 12-month goal of **745 cybersecurity related projects** completed would result in a **5% increase** from previous performance periods
  - **87 cybersecurity related projects** have been completed across the MEPNN in FY2024 YTD
Partnerships and Collaborations

Argonne National Lab & DOE

NASA

Manufacturing USA institutes
Supply Chain Optimization and Intelligence Network (SCOIN)

- Two-year pilot program investing in the National Network to study manufacturing ecosystems and identify gaps in an effort to build more resilient sustainable supply chains through MEP assistance

- Map the capabilities and interconnections within manufacturing supply chains

- Scale up and enhance the impact of supplier scouting services to source domestic products and continue expansion of capabilities
  - SCOIN FTE and SSO both increasing

This is an investment from MEP into the MEP National Network to build a sustainable program or offerings in supply chain.

This is a collaboration between NIST MEP and MEP Centers.
Supply Chain Optimization and Intelligence Network (SCOIN)

- Provide MEP overview and Supplier Scouting webinars monthly to federal partners, their suborganizations, and financial award recipients
- Attend, engage, and present at numerous industries’ conferences that represent the federal government supply chain priorities (EV, semiconductor, etc.)
- Support MEPNN when engaging OEMs to map out and better understand domestic supply chains
- Build capacity in each MEP Center by facilitating the employment of supply chain subject matter experts
- Outreach to OEMs and SMMs to broaden industry knowledge of MEP and educate them on the benefits of utilizing the National Network and supplier scouting services
January 2024 Supplier Scouting Usage

- **27 opportunities opened**
  - 14 items from 4 government agencies
    - 1 state agency
    - 3 federal agencies
  - 12 items from MEP Centers
  - 1 item from a private entity

- **21 opportunities closed and published**
  - 86% avg Center response rate
  - 4 items from 2 government agencies
    - 3 Environmental Protection Agency
    - 1 U.S. Department of Commerce
  - 16 items from MEP Centers
  - 1 item from a private entity
SCOIN Early Successes

OEMs  Multi-state Collaborations  Supply Chain Services
Question

SCOIN is a two-year pilot program, is there anything that NIST MEP could do or should do in order to increase the likelihood of long-term viability (beyond two years)?
Electric Vehicle Panel

• Moderator:
  • Nagesh Rao, Deputy Director NIST MEP

• EV Panelists:
  • Ingrid Tighe: Center Director, Michigan MEP
  • Phil Mintz: Center Director, North Carolina MEP
  • Ethan Karp: Center Director, MAGNET (part of Ohio MEP)
Day Two Agenda
Wednesday, March 6, 2024

Welcome Back

Discussion & Reflections of Day One

Aerospace Panel

Secretary Gina Raimondo
U.S. Department of Commerce

Around the Room and Meeting Wrap Up
Discussions & Questions

- What aspects of the meeting did you find most valuable or insightful?

- Were there topics or discussions that you felt could have been addressed more effectively?
Aerospace Technology Panel:
How SMMs Can Use Technology to be a Gamechanger in the Aerospace Supply Chain
Aerospace Panel:

• Moderator
  • Jyoti Malhotra: National Programs Division Chief, NIST MEP

• Aerospace Panelists:
  • Quincy Brown: Director of Space STEM and Workforce Policy, National Space Council, Office of the Vice President | The White House
  • Kevin Carr: Center Director, FloridaMakes (Florida MEP)
  • Beatriz Gutierrez: Center Director, CONNSTEP (Connecticut MEP)
  • Tony Fernandez: Center Director, New Hampshire MEP
Remarks from the Secretary of Commerce

Secretary Gina Raimondo
U.S. Department of Commerce