



MEP Advisory Board

March 2020 Board Meeting



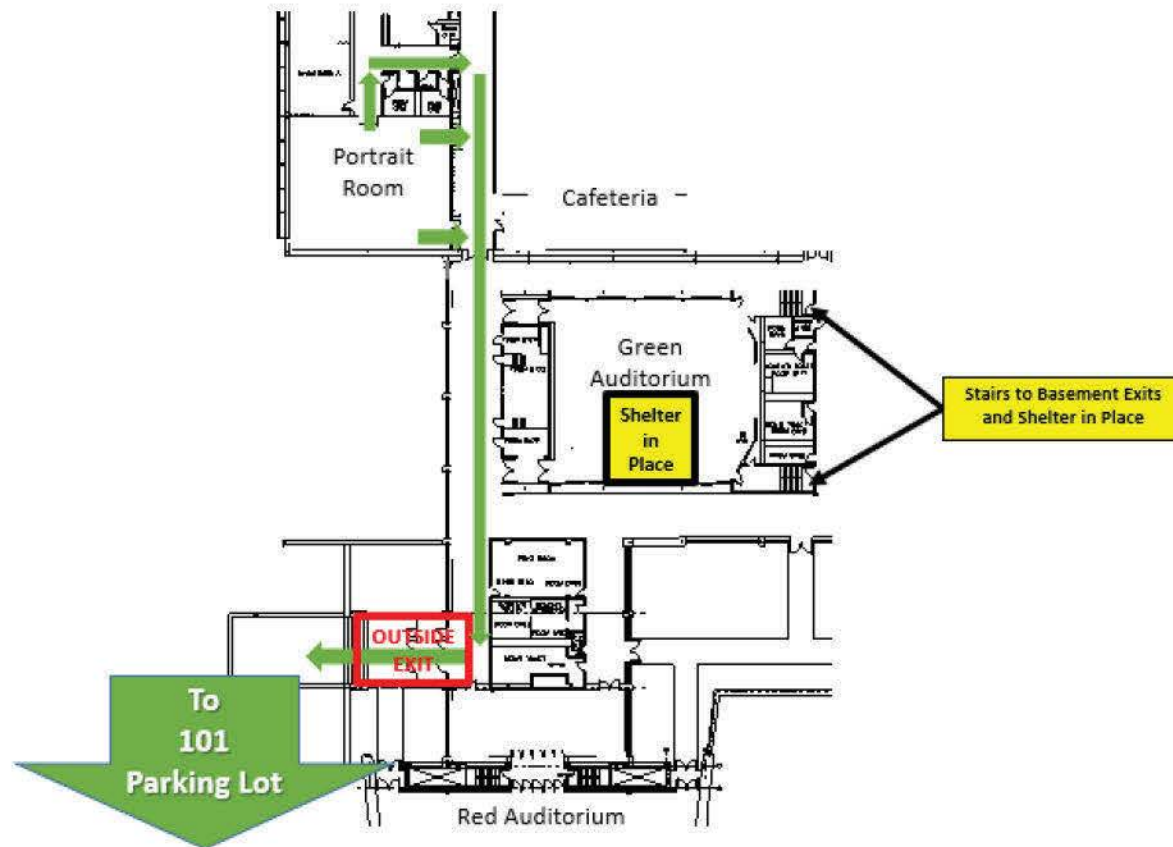
MEP • MANUFACTURING
EXTENSION PARTNERSHIP®

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce



Welcome MAB and Guests to the NIST Campus in Gaithersburg, MD

Portrait Room





Meeting Agenda Details

8:15 a.m.-8:35 a.m.	Board Meeting Opening/Logistics
8:20 a.m.-8:40 a.m.	Welcome and Introductions <ul style="list-style-type: none">• Opening Remarks.• Welcome from NIST MEP Leadership.• Board and Audience Introductions.
8:40 a.m.-9:10 a.m.	MEP Director's Update
9:10 a.m.-9:35 a.m.	MEP National Network 2017-2022 Strategic Plan Update <ul style="list-style-type: none">• Board Feedback and Discussion.
9:35 a.m.-10 a.m.	Presentation: Overview NIST Engineering Laboratory Dr. Joannie Chin, NIST Engineering Laboratory. <ul style="list-style-type: none">• Board Feedback and Discussion.



Meeting Agenda Details Continued

10:15 a.m.-10:45 a.m.	Presentation: MEP National Network Branding and Communications Chancy Lyford, NIST MEP Ben Vickery, NIST MEP <ul style="list-style-type: none">• Board Feedback and Discussion.
10:45 a.m.-11:35 a.m.	Working Group Update Supply Chain Development Working Group <ul style="list-style-type: none">• Board Feedback and Discussion.
11:35 a.m.-12:05 p.m.	Working Group Update Executive Committee Working Group <ul style="list-style-type: none">• Board Feedback and Discussion.
12:05 p.m.-12:30 p.m.	Wrap Up and Public Comments



Welcome and Introductions



Bernadine Hawes
MEP Advisory Board Chair



Carroll Thomas
NIST MEP, Director &
NIST, Acting, Associate Director for
Innovation and Industry Services



Welcome New MEP Advisory Board Members



Donald Bockoven
Fiber Industries LLC



Kevin Heller
Ziegenfelder Company



Dr. Willie E. May
Morgan State University

Introductions Around the Room

1. Name
2. Name of organization
3. How many years involved with MEP



MEP Director's Update

1

MEP Program Budget Outlook / Spend Plan

2

MEP National Network™ Update

3

NIST MEP Updates



MEP Program Budget Outlook/Spend Plan



MEP Program Budget Outlook

(as of 2/21/2020)

FY 2020

Appropriation Status



Proposed for elimination of federal funding in the President's budget.

Congress approved
\$146 million.

President signed appropriation into law
December 2019.

FY 2021

Appropriation Status



President's budget proposes to
eliminate funding for the
MEP Program.



NIST MEP FY 2020 Projected Spend Plan

<u>Available Funding:</u>	\$ Millions
Full Year Appropriation	146.0
Carryover from FY 2019	4.7
Funding from Other Agencies*	<u>3.4</u>
Total Available Funding	\$154.1
<u>Planned Expenditures:</u>	
Center Renewals	120.3
Strategic Competitions	10.6
Contracts	5.5
NIST MEP Labor	10.3
NIST and Program Overhead	<u>7.4</u>
Total Planned Expenditures	\$154.1

Estimated FY 2020 Efficiency Rate =10.64%; actual FY 2019 Efficiency Rate = 9.86%.

* Funding from DoD for Strategic Competitions, Contracts and Project Support



MEP National Network Updates



MEP National Network 2017-2022 Strategic Goals

Objective
 Assist U.S. manufacturers in embracing productivity-enhancing innovative manufacturing technologies, navigate advanced technology solutions and recruit and retain a skilled and diverse workforce.

EMPOWER MANUFACTURERS

CHAMPION MANUFACTURING

Objective
 Actively promote the importance of a strong manufacturing base as key to a robust U.S. economy and for the protection of national security interests; create awareness of innovations in manufacturing; create workforce development partnerships to build a stronger and diverse workforce pipeline; and maximize market awareness of the MEP National Network.

Objective
 Leverage national, regional, state and local partnerships to gain substantial increase in market penetration; identify mission-complementary advocates to help MEP become a recognized manufacturing resource brand; build an expanded service delivery model to support manufacturing technology advances.

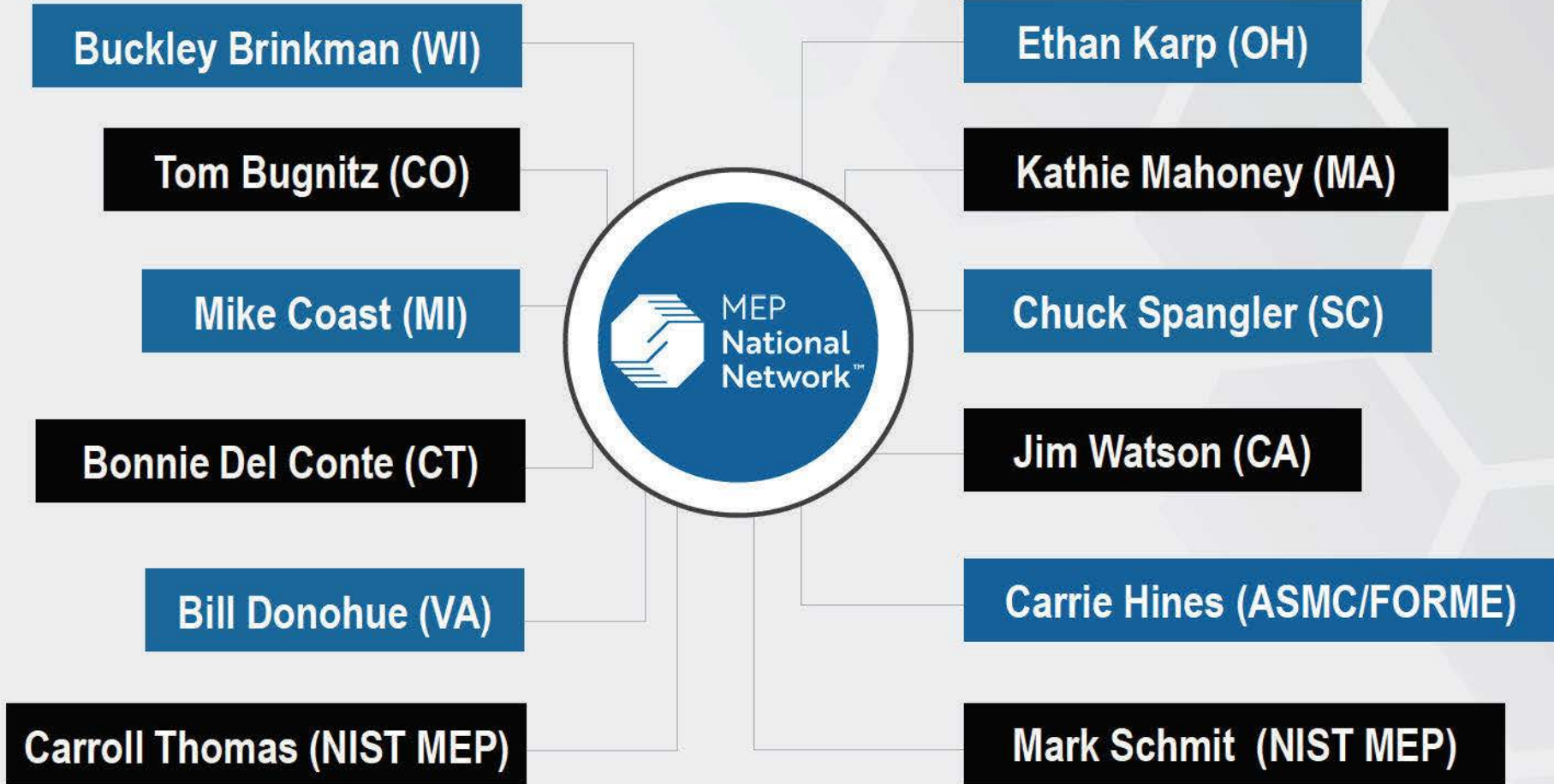
LEVERAGE PARTNERSHIPS

TRANSFORM THE NETWORK

Objective
 Maximize National Network knowledge and experience to operate as an integrated national network; increase efficiency and effectiveness by employing a Learning Organization platform; and create a resilient and adaptive MEP National Network to support a resilient and adaptive U.S. manufacturing base.



MEP National Network Center Leadership Team (CLT)





MEP National Network Center Leadership Team (CLT)

- **NIST MEP National Network Team Created**
 - Staff of NIST MEP working to coordinate and communicate CLT activities internally.
- **Strategic Group of the CLT met in January in California**
 - Past: Review of output from the last three years.
 - Future: 2020 emphasis on operationalizing the MEP National Network (MEPNN).
- **Direction Forward**
 - Facilitation services through The Clearing
 - Interviews conducted with all 51 Center Directors to gather input on various topics, including their understanding and perspectives of the MEPNN.
 - Alignment among all nodes in the MEPNN.
 - Discuss Go To Centers.
 - Emphasis on cybersecurity.
 - Operationalizing multi-Center client engagements.



Industry 4.0

Advanced Manufacturing for End-to-End Cyber- Physical Connectivity Activities Across the Network



CLT Committee on Advanced Manufacturing (AM) Technology Solutions helping to clarify tech focus areas, SMM needs, along with CAP project led by OMEP, involving multiple Centers.



AM Technology Services NOFO from NIST closed Feb. 6; NIST anticipates making ~3 funding awards in April to accelerate MEP Center service delivery in Industry 4.0.



MEP National Network Industry 4.0 WG established with participation from several dozen MEP Centers to share best practices; facilitated by NIST MEP.



MEP Centers utilizing user / demonstration facilities and continuing to collaborate with Manufacturing USA Institutes.



NIST MEP Extension Services In Support of the MEP National Network

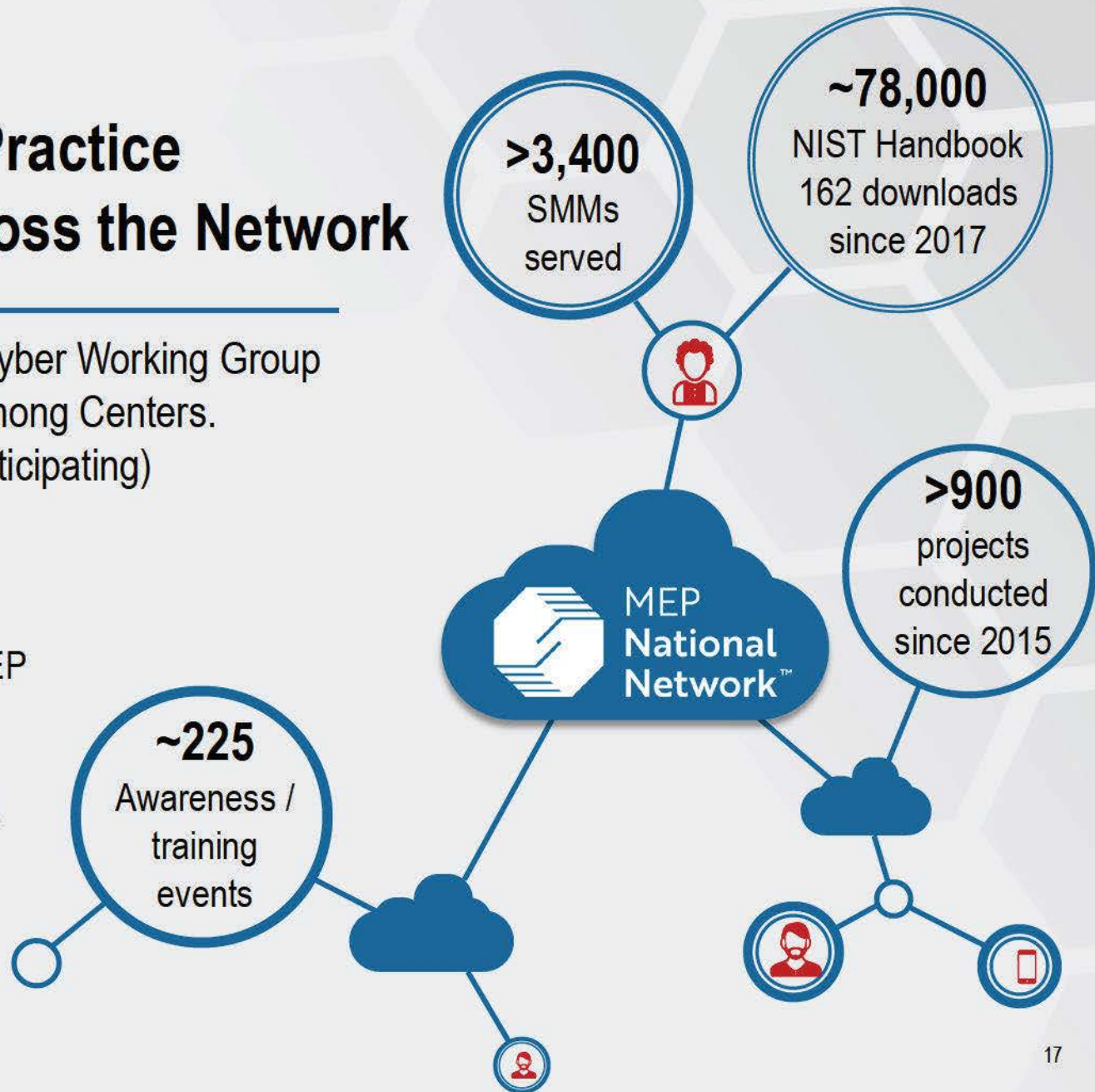
- **Food Industry Services**
 - Food safety continues to drive MEP Center services for small US food manufacturers.
 - 5 active CAP projects developing Center approaches (GA, MO, MT, NJ, PR).
 - National partnerships with US Food and Drug Administration and Food Safety Preventive Controls Alliance; also collaborating with Global Food Safety Initiative.
 - MEPNN WG sharing best practices among MEP Centers.
- **MEP-Assisted Technology and Technical Resource (MATTR)**
 - Connecting Small Manufacturers with NIST Labs.
 - >40 MEP Center clients from ~20 Centers connected with NIST Lab expertise and technical resources to address client metrology and product / process development issues.
 - MEPNN WG operating to continue developing MATTR as an MEP Center service.
 - NIST MEP facilitating CRADAs between MEP Center clients and NIST Labs, and compensating NIST Labs, as warranted by MATTR opportunities.



Cybersecurity Practice Developing Across the Network

MEP National Network Cyber Working Group sharing best practices among Centers. (49 Centers currently participating)

Cyber for Defense Manufacturing Award from NIST MEP to MMTC (MI MEP Center) focused on awareness, assistance for >1,000 defense contractors, with participation from >30 MEP Centers.





**MEP • MANUFACTURING
EXTENSION PARTNERSHIP®**

NIST MEP Updates



NIST MEP Org Chart FY20

486

Finance Management & Center Operations Division

Kevin McIntyre, Chief

Adrienne Montague

Finance/Administration

Tony Gomez (AO 486, 487)
Autumn Hernandez (AO 481)
Heather Mayton, XO

486.01

Center Operations Group

Nadine DeJesus, Group Manager

Melissa Ayala
Sekou Johnson
Julia Shriner
Hope Snowden
Gloria Solomon

487

Regional & State Partnerships Division

Mark Schmit, Chief

Carol Shibley

Anthony Diaz
Dimitrios Meritis
Kim Pinckney

Beth Colbert
Jose Colucci-Rios
Tony Mastalski
Gerson Santos-Leon
Phill Wadsworth
Tom Williams

488

Extension Services Division

Dave Stieren, Chief

Robert Barnes

Doug Devereaux
Brian Lagas
Andrew Peterson
Michael Taylor
Dileep Thatte
Pat Toth
Marlon Walker
Samm Webb

489

Network Learning & Strategic Competitions Division

Mary Ann Pacelli, Acting Chief

Wiza Lequin
Mike Simpson (*On Detail*)
Michael Wilson

481

External Affairs & Performance Division

Chancy Lyford, Chief

Team IT Security & Support

Kathy Martin
Justin Mocca
Bryan Wade

481.01

Marketing & Communications Group

Ben Vickery, Group Manager

Nicole Ausherman
Cheryl Gendron
Katie Rapp
Jennifer Rosa

481.02

Program Evaluation & Economic Research Group

Ken Voytek, Group Manager

Megean Blum
Stephen Campbell
Kim Coffman
Missy Davis
Diane Henderson
Holly Jackson
Megan Spangler
Nico Thomas

Rob Ivester
Deputy Director

Staff Resource Management

Monica Claussen
Monyelle Mingo
Michele Montgomery

480 **Carroll Thomas**
MEP Director



New Deputy Director Welcome Dr. Robert W. Ivester



Dr. Robert W. Ivester

- Currently serves at DOE as the Director of the Federal Energy Management Program (FEMP) in the Office of Energy Efficiency and Renewable Energy.
- Served in Advanced Manufacturing Office (AMO) for six years.
- Spent more than 16 years at NIST, leading and performing research in advanced manufacturing.



Carroll Thomas

Acting, Associate Director for Innovation and Industry Services

NIST Director / Undersecretary of Commerce
for Standards and Technology

Associate Director for
Laboratory Programs

Associate Director of
Industry & Innovation
Services

Associate Director
of Management
Resources

Chief of Staff

Laboratory Programs

- Communications Technology Laboratory
- Engineering Laboratory
- Information Technology Laboratory
- Material Measurement Laboratory
- NIST Center for Neutron Research
- Physical Measurement Laboratory

Staff Offices

- Standards Coordination
- Special Programs
- Research Protections

Industry & Innovation Services

- Baldrige Performance Excellence Program
- Hollings Manufacturing Extension Partnership
- Office of Advanced Manufacturing

Staff Offices

- Technology Partnerships

Management Resources

- Office of Acquisition and Agreements Management
- Office of Safety, Health and Environment
- Office of Information Systems Management
- Office of Facilities and Property Management
- Office of Financial Resource Management
- Office of Human Resources Management

Staff Offices

- Civil Rights & Diversity
- Information Services
- Business Operations Office
- Fabrication Technology

- Public Affairs
- Program Coordination
- International & Academic Affairs
- Congressional & Legislative Affairs
- Management and Organization



NIST MEP on the M.O.V.E. (MEP On Virtual Engagement)

- NIST MEP staff in temporary office locations in 3 NIST bldgs. since Nov. 2018 departure from bldg. 301.
- Fall 2020 target timeframe for return to 301 offices.
- NIST MEP “Move Back In” committee
 - Developed office / workspace allocation policies and recommendations for staff assignments for NIST MEP management; forwarded to NIST OFPM in Feb. 2020.
 - Will address ongoing issues for NIST MEP as needed according to OFPM office space renovation project schedule.
 - Including networking, printers, copiers, furniture, etc.



Discussions & Questions



You may also email Cheryl Gendron at Cheryl.Gendron@NIST.gov or call 301-975-2785.



MEP
National
Network™

Strategic Plan Update



MEP National Network 2017-2022 Strategic Goals

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1. **Consensus Within Integrated National Network**

Reach Network consensus on definition of Project and CME (client manufacturing establishment) interaction.

2. **Center and Program Office Operational Excellence**

Operationally improve reporting via measurement of on-time and accurate reporting.

3. **Increase Projects and New Clients**

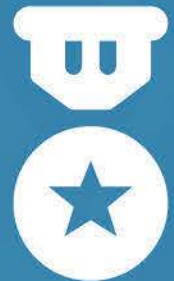
Increase reported projects by 10% and reported new clients by 5%.

4. **Increased Visibility**

Amplify and measure Network brand awareness by at least 10%.

**Latest
18-Month
Goals**

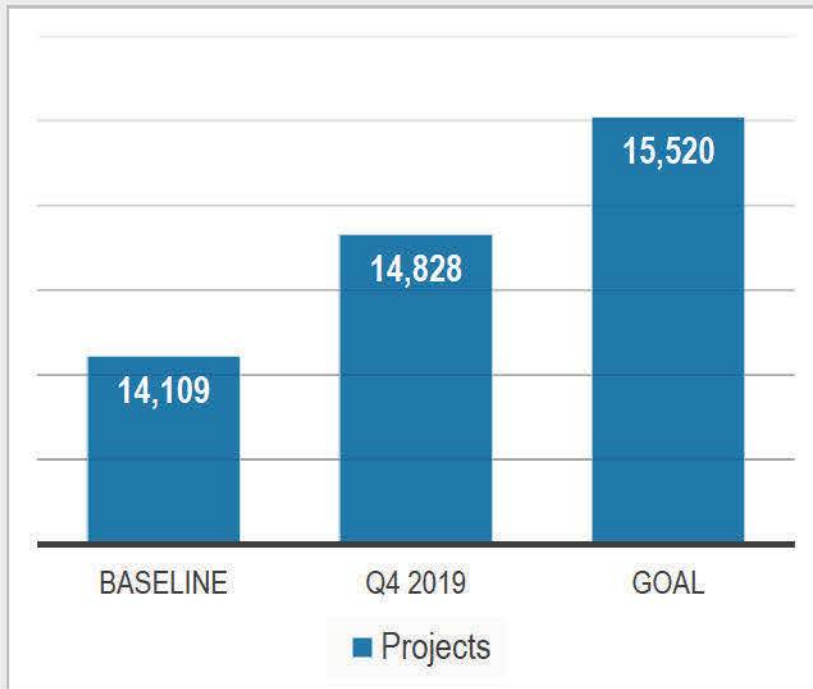
9/2019-3/2021



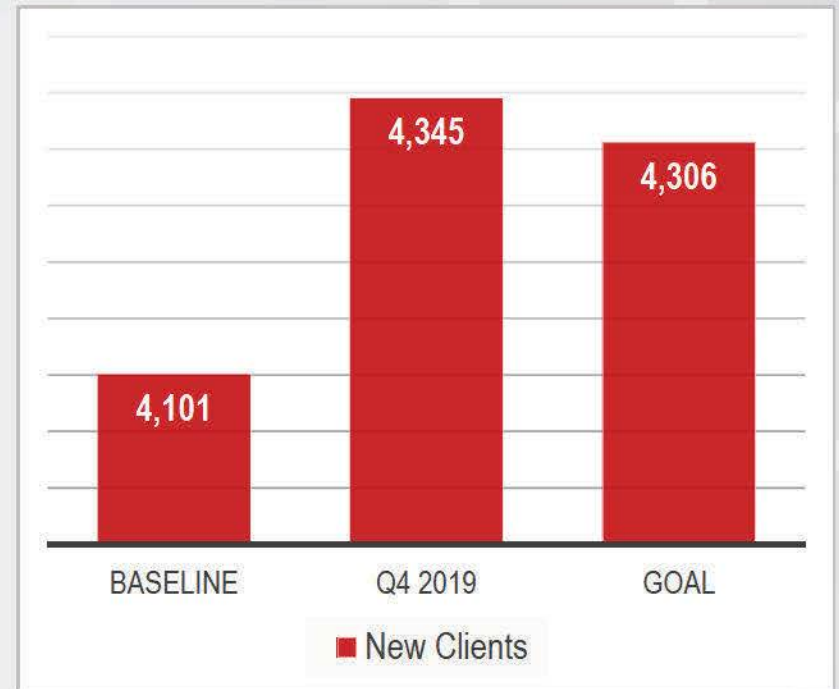


18 Month Measures of Success

Goal: Increase Projects by 10%



Goal: Increase New Clients by 5%





18 Month Measures of Success

Goal: Improve On Time Reporting Measurement.

- **Four elements measured:**
 - Progress plan.
 - Progress data.
 - Clients/projects.
 - Survey confirmation.
- **Baseline (Q2 2019):**
 - 40 Centers reported on time with first 3 elements.
 - 24 Centers reported on time across all four elements.
- **Progress to Date (Q4 2019):**
 - 38 Centers reported on time with first 3 elements.
 - 23 Centers reported on time across all four elements.

Goal: Definitional Consensus.

- **Define:**
 - Client / project.
 - Client manufacturing establishment interaction.
- Working group of Center Directors being established.



18 Month Measures of Success

Goal: Amplify and Measure Network Brand Awareness by at Least 10%.

Brand Measure	Goal	Baseline	Progress To Date
Backlinks	114	104	TBD
Brand Mentions	138	125	TBD
Manufacturing Innovation Blog Subscribers	27,412	24,920	TBD
Social Media Followers	17,864	16,240	TBD
#MEPNationalNetwork Hashtag Occurrences	367	334	TBD

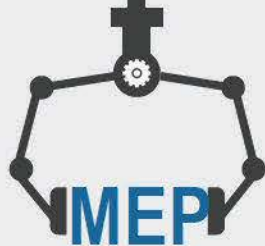
Established Baseline: Oct. 1, 2019 – Dec. 31, 2019.



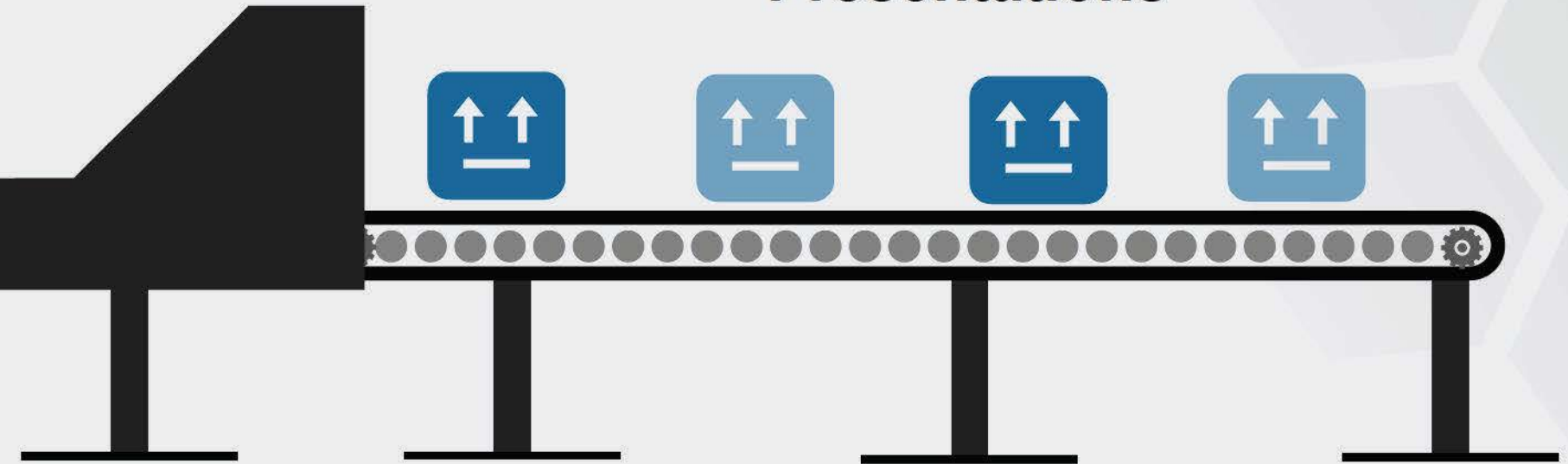
Discussions & Questions



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Advisory Board Featured Presentations





NIST Engineering Laboratory Overview

Dr. Joannie Chin

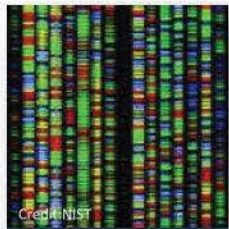
NIST

Deputy Director, Engineering Laboratory

Overview of the NIST Engineering Laboratory

March 3, 2020

NIST Laboratory Programs



Credit: NIST

**Material
Measurement
Laboratory**



Credit: NIST

**Physical
Measurement
Laboratory**



Credit: Shutterstock/
Dmitry Kalinovsky

**Engineering
Laboratory**



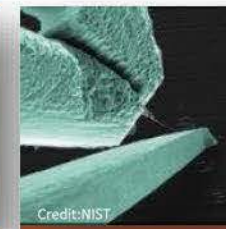
Credit: Shutterstock

**Information
Technology
Laboratory**



Credit:
Shutterstock/Italianestro

**Communication
Technology
Laboratory**




Credit: NIST

**Center for
Nanoscale
Science and
Technology**



Credit: NIST

**NIST Center
for Neutron
Research**



To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology **for engineered systems** in ways that enhance economic security and improve our quality of life



measurement science

Creating the experimental and theoretical tools – methods, metrics, instruments, and data – that enable innovation



standards

Disseminating physical standards and providing technical expertise to documentary standards that enable comparison, ensure interoperability, and support commerce



technology

Driving innovation through knowledge dissemination and public-private partnerships that bridge the gap between discovery and the marketplace



Resilience



**Smart
Manufacturing**



**Cyber
Physical
Systems**



Energy



***Objective:* To reduce the risk and enhance the resilience of buildings, infrastructure, and communities to natural and manmade hazards through advances in measurement science**

- Community Resilience
- Earthquake Risk Reduction
- Engineered Materials
- Fire Risk Reduction – Buildings
- Fire Risk Reduction – Communities
- Structural Performance Under Multi-hazards



Smart Manufacturing

***Objective:* To enable the next generation of innovative and competitive manufacturing through dynamic production systems and rapid design-to-production transformation**

- Additive Manufacturing
- Manufacturing Robots
- Model-based Enterprise
- Trustworthy Systems, Components, and Data for Smart Manufacturing



Cyber Physical Systems

Objective: To enable scalable, dependable and reproducible performance measurement of reliable, resilient, safe, secure, and privacy-enhancing cyber-physical systems.

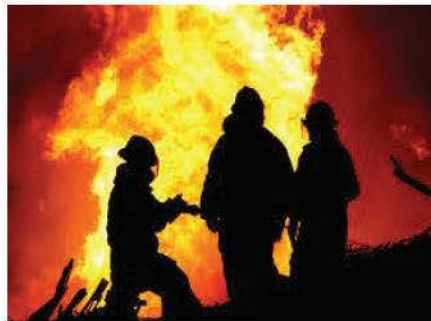
- Cyberphysical Systems
- Smart Grid



Energy

Objective: To enable sustainable and energy efficient manufacturing, materials, and infrastructure through advances in measurement science

- Embedded Intelligence in Buildings
- Net-zero High Performance Buildings



Fire protection, fire physics, materials flammability



Structural analysis, disaster and failure studies



Building and renewable energy, indoor environment, and building systems performance measurement



Intelligent sensing, control, robotics and automation



Sustainability, durability, and service life prediction of engineered materials

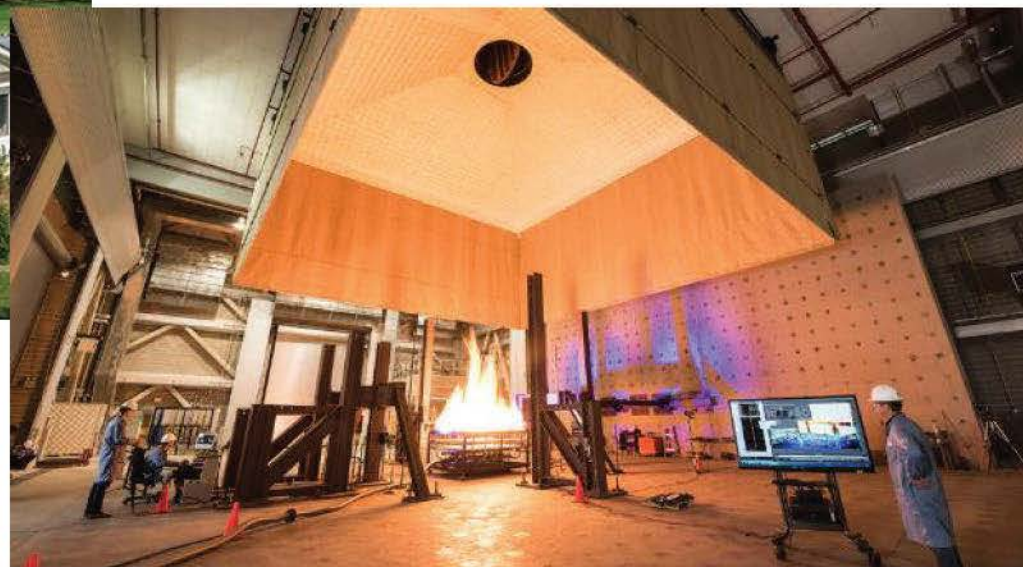


Systems integration, information modeling, model-based engineering



Net-zero Energy Research Facility

National Fire Research Laboratory





**Metal Additive Manufacturing
Research Center**



**Additive Manufacturing
Metrology Testbed**

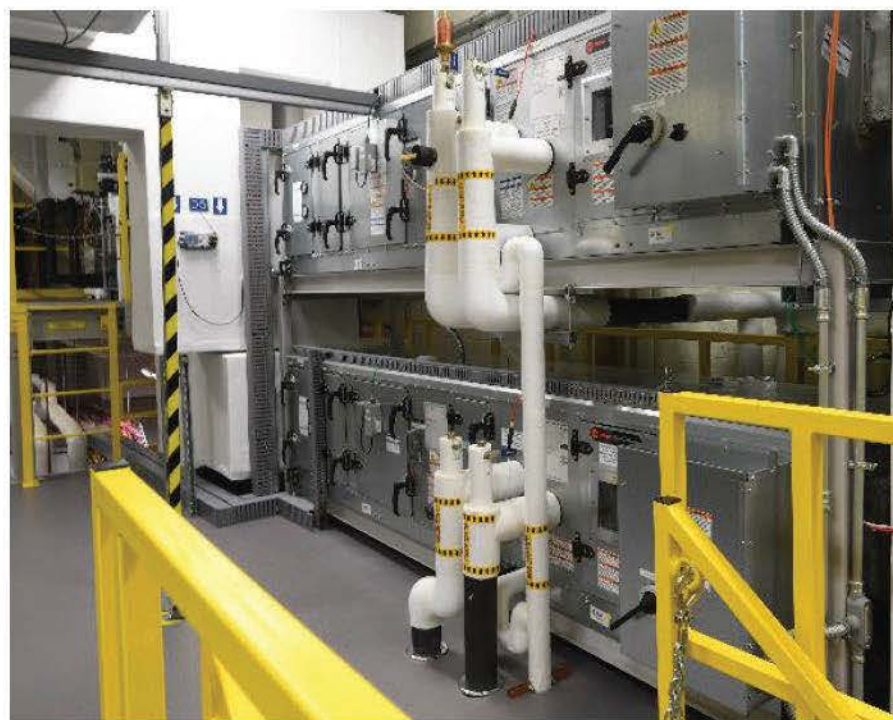


Manufacturing Robotics and Response Robotics Facilities



SPHERE

Intelligent Building Agents Lab

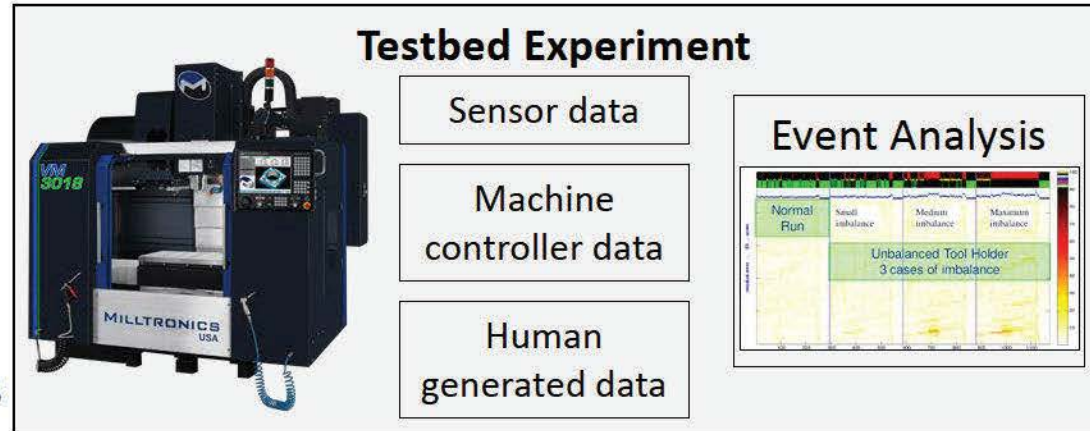


Manufacturing USA Network

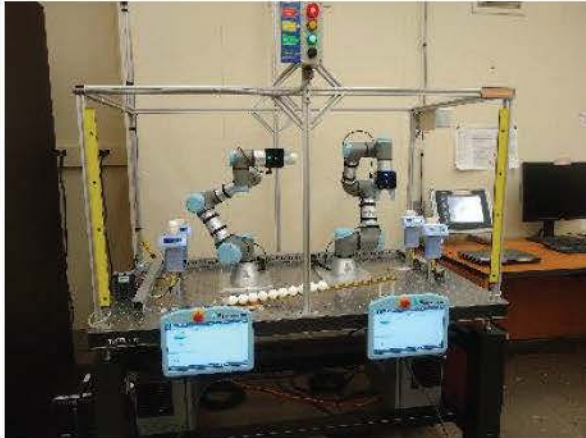


TechSolve (OH MEP)

To create publicly-available guidelines for merging multiple data sources that support maintenance activities

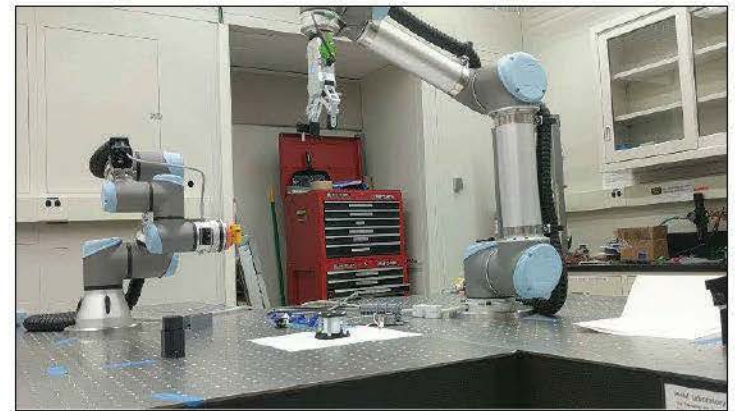


To explore the applicability and performance requirements for collaborative robots in small manufacturing enterprises, leading to the understanding of the state of collaborative robotics adoption



Two SMMs – To pilot cybersecurity program implementations of the Cybersecurity Framework (CSF) Manufacturing Profile. The results will be used to develop cybersecurity implementation guidance that can be used by ALL MEP member companies nationally.

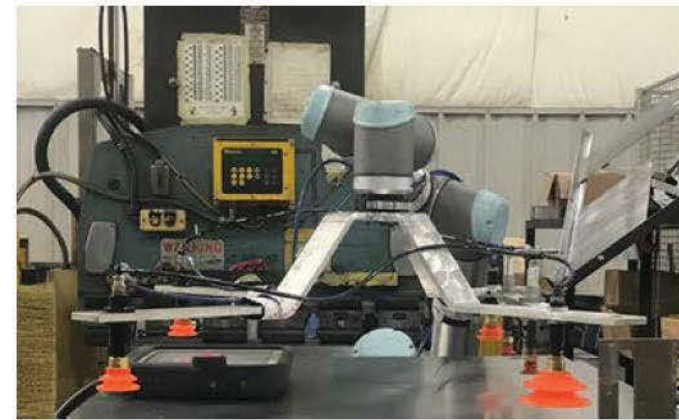
FuzeHub (NY MEP) – To pilot a test method that identifies and isolates sources of robot workcell health degradation in multiple manufacturing facilities to produce deployment guidance



NIST MEP – co-led a workshop to understand the current state of adoption of collaborative robotics within the SMM community

Catalyst Connection (PA MEP) - facilitated visits to SMMs by NIST robotics program personnel

Participation of multiple state MEPs & SMMs –
CMTC (CA MEP), Genedge (VA MEP),
Ludowici (OH SMM), Mantec (PA MEP),
Manufacturer's Edge (CO MEP),
MSU CAVS-E (MS MEP), TechSolve (OH MEP), and Trividia Health (FL SMM) in
standards meetings, technical conference panels, and NIST-led workshops





Discussions & Questions



You may also email Cheryl Gendron at Cheryl.Gendron@NIST.gov or call 301-975-2785.



Break





MEP National Network Branding and Communications



Ben Vickery

NIST MEP

Manager, Marketing & Communications Group



Building the MEP National Network Brand



MEP • MANUFACTURING
EXTENSION PARTNERSHIP®

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce

Brand Initiative Background

- MEP Centers identified **lack of awareness** as **one of their top challenges**
- To **build a brand** for the MEP National Network to:
 - Increase national awareness and cohesiveness.
 - Build stronger more effective alliances.
 - Mission fulfillment to reach and serve more U.S. SMMs.

Internally Building and Strengthening the Brand

Implementing the Brand: Internal Tools

- Brand Implementation Kit.
- Co-brandable marketing materials / sell sheets.
- Social media and content curation kits.
- Where to find these materials.

Brand Implementation Kit

Created so Center staff can educate themselves about the Network brand and have access to co-branded assets for use in client-facing communications.

Two components:


- Center Educational Materials.
 - Client-Facing Materials.

Center Educational Materials

- PowerPoint Presentation.
- “When to Network” Flyer.
 - Network Directory.

PowerPoint Presentation


Explains the Network, its value, and how Centers can represent the national organization.



[Center Name] is Part of the MEP National Network

Insert your MEP Center logo here.

Ideal size is 4" wide x 2" tall



**MEP
National
Network™**
*The Go-To Experts for Advancing
U.S. Manufacturing*

The MEP National Network™ is a unique public-private partnership that delivers comprehensive, proven solutions to U.S. manufacturers, fueling growth and advancing U.S. manufacturing.

Focused on helping small and medium-sized manufacturers generate business results and thrive in today's technology-driven economy, the MEP National Network comprises the National Institute of Standards and Technology's Manufacturing Extension Partnership (NIST MEP), the 51 MEP Centers located in all 50 states and Puerto Rico, and over 1,400 trusted advisors and experts at more than 375 MEP service locations, providing any U.S. manufacturer with access to resources they need to succeed.

2

“When to Network” Flyer

Discussions with clients will often focus on local concerns you are equipped to assist on your own. However, there are a number of scenarios where it is to your **advantage** to advise them that you are part of the **National Network**:

1. To let them know you have the backing of a larger organization.
2. To help coordinate projects across state lines (e.g., supply chain).
3. To provide them with access to expertise you may not have in house.



WHEN TO MENTION THE MEP NATIONAL NETWORK

A Guide for MEP Centers

Network Directory

A brochure with contact information for each Center in the MEP National Network.

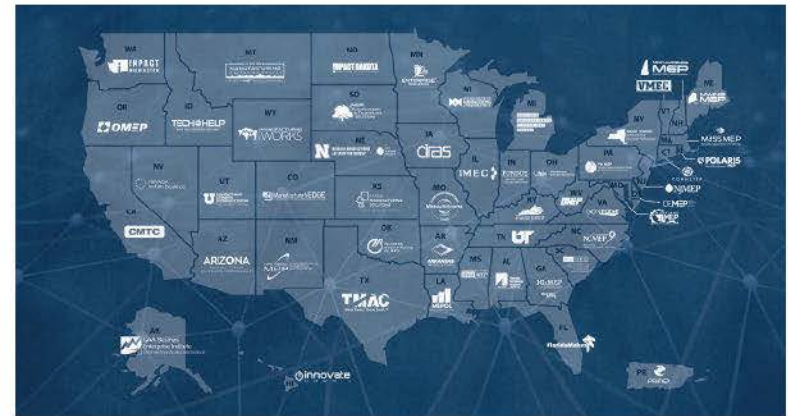
This is updated as Center information changes.



The MEP National Network™ is a unique public-private partnership that delivers comprehensive, proven solutions to U.S. manufacturers, fueling growth and advancing U.S. manufacturing.

Overview

Focused on helping small and medium-sized manufacturers generate business results and thrive in today's technology-driven economy, the MEP National Network comprises the National Institute of Standards and Technology's Manufacturing Extension Partnership (NIST MEP), the 51 MEP Centers located in all 50 states and Puerto Rico, and over 1,400 trusted advisors and experts at more than 375 MEP service locations, providing any U.S. manufacturer with access to resources they need to succeed.



Connect with the MEP National Network by Contacting the MEP Center in Your State

Alabama

Alabama Technology Network
www.watn.org

Center Director: Keith Phillips
Phone: 334-293-4673
Email: kphillips@atn.org

Arkansas

Arkansas Economic Development Commission
www.mfgsolutions.org

Center Director: Daniel Curtis
Phone: 501-683-4411
Email: dcurtis@arkansasedc.com

Alaska

Alaska Manufacturing Extension Partnership

Center Director: Dr. Alyssa Rodriguez
Phone: 907-786-0412
Email: avshah@501@alaska.edu

California

California Manufacturing Technology Consulting
www.cmtc.com

Center Director: James Watson
Phone: 310-263-3000
Email: jwatson@cmtc.com

Arizona

Arizona Commerce Authority
www.revaz.org

Center Director: David Gaafano
Phone: 602-845-1200
Email: davidg@azcommerce.com

Colorado

Manufacturer's Edge
www.manufacturesedge.com

Center Director: Tom Bugrutz
Phone: 303-592-4987
Email: info@manufacturesedge.com

Client-Facing Materials

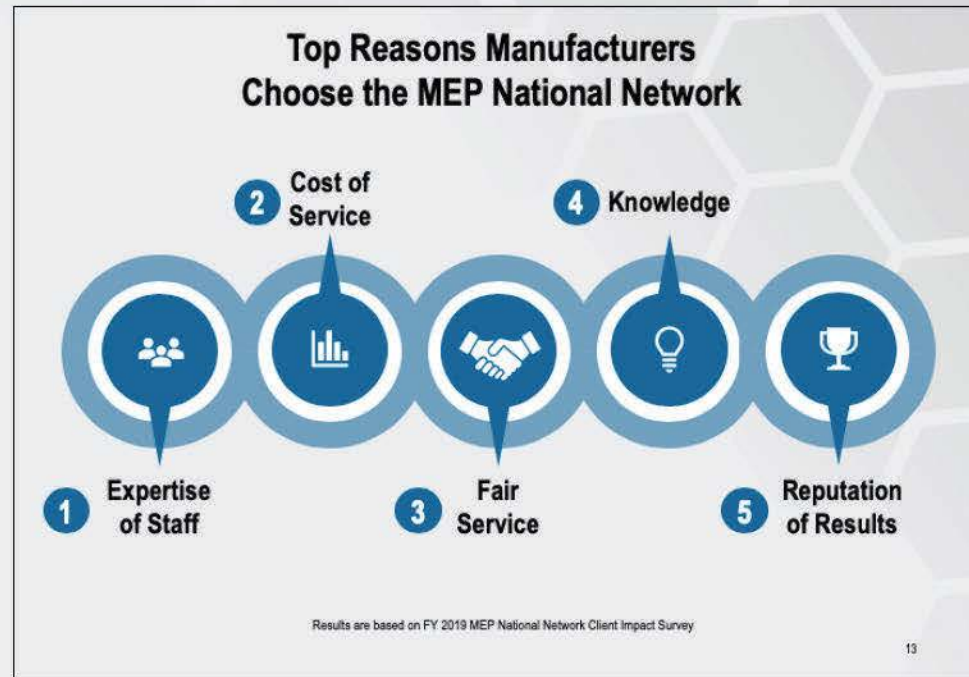
- PowerPoint Slides.
- Marketing Sheet.
- Email Content.

PowerPoint Slides

The MEP National Network developed 18 slides that outline statistics and Network benefits for your potential clients.

You can incorporate these slides (or just the content) into presentations you deliver to your clients.

The slides and their content are easy to copy and paste and alter to align with your Center's brand guidelines.

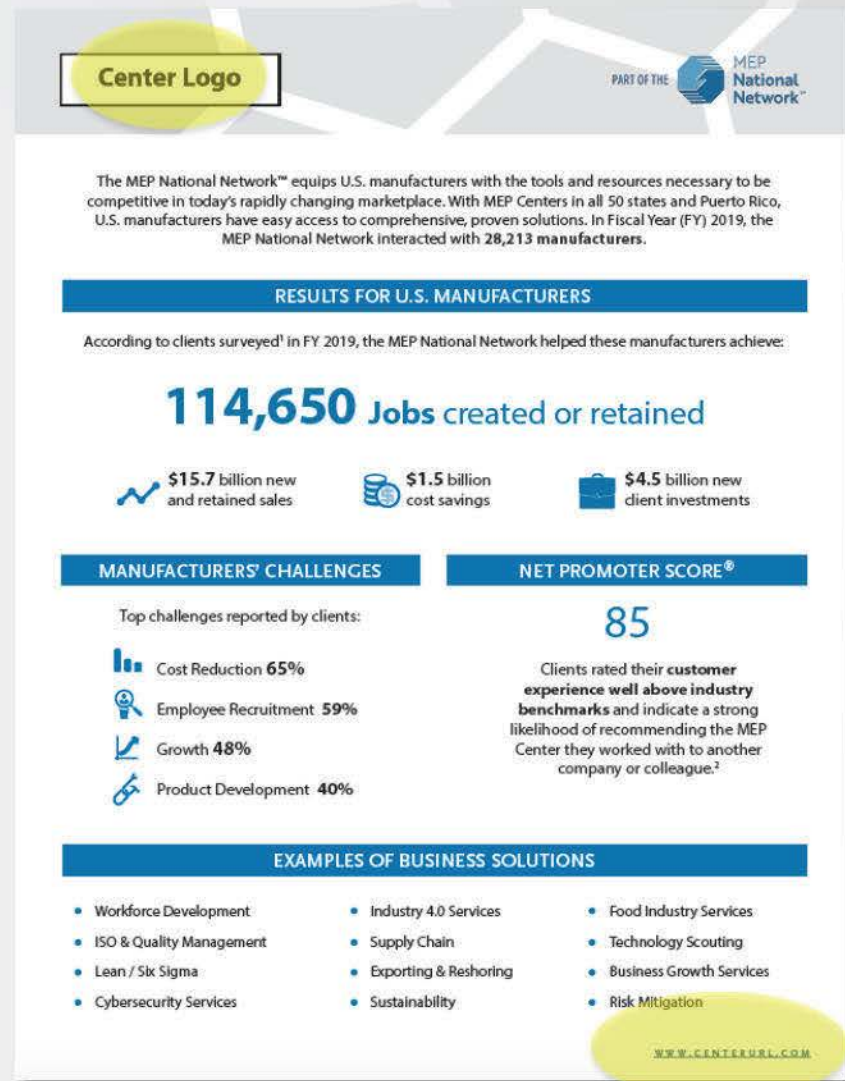


Marketing Sheet


A co-branded marketing sheet was designed so Centers can introduce their affiliation with the MEP National Network.

The sheet is an editable 2-page PDF document that identifies the Network and its value (along with the Center's) for potential clients.

Centers can add their logo, boilerplate, and contact information.



Center Logo

PART OF THE  **MEP National Network™**

The MEP National Network™ equips U.S. manufacturers with the tools and resources necessary to be competitive in today's rapidly changing marketplace. With MEP Centers in all 50 states and Puerto Rico, U.S. manufacturers have easy access to comprehensive, proven solutions. In Fiscal Year (FY) 2019, the MEP National Network interacted with **28,213 manufacturers**.

RESULTS FOR U.S. MANUFACTURERS

According to clients surveyed¹ in FY 2019, the MEP National Network helped these manufacturers achieve:

114,650 Jobs created or retained

- \$15.7 billion new and retained sales
- \$1.5 billion cost savings
- \$4.5 billion new client investments

MANUFACTURERS' CHALLENGES

Top challenges reported by clients:

- Cost Reduction **65%**
- Employee Recruitment **59%**
- Growth **48%**
- Product Development **40%**

NET PROMOTER SCORE®

85

Clients rated their customer experience well above industry benchmarks and indicate a strong likelihood of recommending the MEP Center they worked with to another company or colleague.²

EXAMPLES OF BUSINESS SOLUTIONS

- Workforce Development
- Industry 4.0 Services
- Food Industry Services
- ISO & Quality Management
- Supply Chain
- Technology Scouting
- Lean / Six Sigma
- Exporting & Reshoring
- Business Growth Services
- Cybersecurity Services
- Sustainability
- Risk Mitigation

www.centerurl.com

Email Communications

An outbound email was drafted that introduces the MEP National Network and its value to potential clients.

Version this as you see fit. It was written as text-only so Centers can incorporate it into their own templates or email marketing program.

MEP National Network
Outbound Email Campaign for Centers

Subject: Get Access to Over 1,400 Manufacturing Experts

Find Proven Solutions to Your Toughest Challenges

Did you know that **[MEP Center]** is part of the MEP National Network™? The MEP National Network includes more than 1,400 manufacturing experts across the U.S. who work with small and medium-sized manufacturers to provide resources they need to generate business results and thrive in today's technology-driven economy.

For more than 30 years, MEP has worked with 111,343 U.S. manufacturers to foster \$132 billion in sales and \$22 billion in cost savings while helping to create or retain more than 1.2 million U.S. manufacturing jobs.

Through the Network, **[MEP Center]** can connect you with specialists who will provide affordable, proven solutions in the following areas, among others:

- Business Growth Services
- Cybersecurity Services
- Exporting & Reshoring
- Food Industry Services
- ISO & Quality Management
- Lean / Toyota Kata
- Risk Mitigation
- Industry 4.0
- Supply Chain / Supplier Scouting
- Sustainability
- Technology Driven Market Intelligence/ Technology Scouting
- Workforce Development

Need help you can trust to tackle the challenges you face? Contact us today and connect with the MEP National Network.

[Contact Us]

Co-brandable Marketing Materials or Sell Sheets for Specific Services or Programs

Center Logo



CYBERSECURITY

As of December 31, 2017, all manufacturers involved in the Department of Defense (DoD) supply chain that handle, produce or store Controlled Unclassified Information (CUI) must comply with the Defense Federal Acquisition Regulation Supplement (DFARS) clause 252.204-7012 "Safeguarding Covered Defense Information and Cyber Incident Reporting."

These cybersecurity requirements will also soon apply to manufacturers that are part of supply chains for other federal institutions, including the General Services Administration (GSA), NASA, and the Department of Energy (DOE), per the National Archives and Records Administration (NARA).

You must comply with DFARS, if you handle any Controlled Unclassified Information:

- Covered Defense Information (CDI)
- Confidential Unclassified Information (CUI)
- Controlled Technical Information (CTI)
- DoD Critical Infrastructure Security Information (DCISI)
- Critical Infrastructure Information (CII) in reduced time to market and reduced costs of manufactured product

Why Does My Company Need to Comply with DFARS requirements?



Failure to comply will lead to the loss of DoD contracts as DFARS requirements are enforced.



Compliance is a competitive advantage in the era of low adoption among DoD suppliers.



NARA will adopt similar requirements, creating a general Federal Acquisition Regulation (FAR) requirement for all federal contractors.

www.fars.gov

Center Logo



FOOD INDUSTRY SERVICES

Protecting the Health of Your Customers, Company, and Brand

CDC estimates that each year 48 million people get sick from a foodborne illness, 128,000 are hospitalized, and 3,000 die. The average cost of a recall to a food company is \$10 million in direct costs, not to mention brand damage and lost sales.

Proper use of preventive controls during food manufacturing and careful oversight can minimize the risk of contributing to a foodborne illness or full-scale food recall – helping to protect your customers and your company.

Lowering the risk of a product recall not only makes good business sense, but all manufacturers involved in the production of food, including both human and animal food, must now comply with the Food Safety Modernization Act (FSMA). The FSMA regulation focuses on a preventive approach to food safety. It deals with the requirements of current good manufacturing practices, hazard analysis, and risk-based preventive controls.

Attention Food Manufacturers

Every food manufacturer should have a Food Safety Plan developed or overseen by a Preventive Controls Qualified Individual (PCQI).

The PCQI is also responsible for validation of preventive controls, review of records, and required reanalysis of the Food Safety Plan when necessary.

Food Safety Compliance Services Can Help:

-  Avoid costly fines.
-  Prevent food safety recalls.
-  Avoid increased scrutiny from the FDA, including potential shutdowns.
-  Safeguard company brand and value.
-  Build reputation as a manufacturer of high-quality food products.

www.fars.gov

Center Logo



MEDACCRED® FOR MEDICAL DEVICE MANUFACTURING

Medical device manufacturers can gain a strategic advantage through MedAccred, an accreditation developed by industry-leading OEMs and administered by the Performance Review Institute (PRI), to address medical supply chain quality issues, reduce recalls, and improve patient safety.

MedAccred is an industry-managed supply chain accreditation program that reduces risk to patient safety, assures quality products and supports compliance with requirements as they apply to critical processes used in the production of medical devices.

MedAccred applies to processes where parameters are directly influenced by component geometry and/or results cannot be confirmed by inspection, including:

- Cable and wire harnesses
- Plastic extrusions
- Printed circuit board assemblies
- Welding
- Heat treating
- Plastic injection molding
- Sterilization

The benefits of a MedAccred accreditation include:



Higher quality, lower overall costs, and reduced rework



Opportunities to reduce liability insurance costs



Recognition as a superior quality supplier



Potentially fewer redundant onsite audits by medical device OEMs

www.fars.gov

Social Media and Content Curation Kits



Where to Find these Materials

<https://mic.nist.gov/Pages/National-Network-Brand.aspx>

- Home
- Brand Initiative
- Resources
- Ask the Network
- Network News Submission
- MEP Connect Training
- Contact MEP
- MEIS
- National NIST MEP Calendar
- Site Contents

MEP Connect > National Network Brand

Updated Feb. 20, 2020



About the MEP National Network™ Brand

There are 51 MEP Centers with separate recognizable logos. The collective MEP National Network is and the value that we bring to our members. Working together with Center representatives, we have created the MEP National Network brand as a co-brand with the local MEP Center. Building a cohesive MEP National Network brand identity with our members, more manufacturers, strengthen communications, and unite our members. The MEP National Network is the only private-public partnership that is reachable within a few hours of manufacturers across the country. It is time for us to tell our story.



Current Brand Documents:

-  [2019 MEPNN Brand Handbook](#)
-  [Brand Handbook Presentation](#)

[Brand Handbook Webinar](#)
[Brand Handbook Webinar Take 2](#)

-  [2019 Communicating About the MEPNN Brand](#)
-  [MEP National Network Comm Guide](#)
-  [2020 MEP National Network Overview.pptx](#)

 [MEPNN Brand Implementation Kit_August 2019.zip](#)

-  [MEPNN Content Curation Kit](#)
-  [MEPNN Social Media Kit 0519](#)
-  [Updating Your Email Signature](#)
-  [Updating Your Website](#)

Logo Files:

[MEP National Network Brand Logos for Print](#)
[MEP National Network Brand Logos for Web](#)

Customizable Marketing Templates:

-  [MEPNN FY 2019 Impacts Overview Cobrand 2.zip](#)
-  [MEPNN CMMC Overview.zip](#)
-  [2020 MEPNN Cybersecurity Guide Cobranded.zip](#)
-  [MEPNN_Lean Manufacturing_Sell Sheet_June 2019.zip](#)
-  [MEPNN_Food Industry_Sell Sheet_June 2019.zip](#)
-  [MEPNN_Cybersecurity_DFARS_Sell Sheet_June 2019.zip](#)
-  [MEPNN Toyota Kata_Sell Sheet_2020 with Impacts.zip](#)
-  [MEPNN_MATTR_Oct_2019 Folder.zip](#)
-  [MEPNN Cybersecurity Framework_July 2019 Folder.zip](#)
-  [MEPNN_MedAccred_Sell Sheet_August 2019.zip](#)
-  [MEPNN_Quality_Sell Sheet_June 2019 2.zip](#)
-  [MEPNN_Expotech Overview 2.zip](#)

Background Research & Past Plans:

-  [Brand Research Report \(Nov 16\)](#)
-  [Brand Blueprint](#)
-  [Branding Workshop Summary](#)
-  [Marketing Plan \(Oct 2017\)](#)
-  [Marketing Plan Overview Presentation Slides \(Dec 2017\)](#)

Externally Building and Strengthening the Brand

Implementing the Brand: External Tools



**Trade
Publications**



**Social
Media**



Events



**Earned
Media**



MEP • MANUFACTURING
EXTENSION PARTNERSHIP®

+

 **INDUSTRIAL**

Sponsored Content - Trade Media Partners

Industry Week

One of the most respected manufacturing publications, Industry Week publishes news and articles about best practices.

Industry Today

Industry Today's audience is decision makers at manufacturing and industrial companies.

Quality Digest

A quality-focused publication that publishes content by industry experts on international quality standards. It has an editorial track specifically devoted to Lean practices and often re-publishes NIST MEP blog content on its own initiative.

Sponsored Content Industry Week



SPONSORED

4 Ways Robots Deliver ROI to Small and Medium-Sized Manufacturers

Leveraging Your Data As a Foundation for Manufacturing ROI

Data and analysis don't have to be complicated to yield bottom-line benefits



WI Manufacturing @WIManufacturing · Jan 21

Learn how [#additivemanufacturing](#) can support a strategic approach to product design with this article from [#MEPNationalNetwork](#) expert Dave Pierson on [@MAGNETOhio](#) published in [@IndustryWeek](#). bit.ly/2YxoBzY [#MFGisNO](#)



Part-Design Possibilities Enabled by Additive Manufac...
Over the last five years, two main advances have helped additive manufacturing (AM) evolve from a prototyping...
industryweek.com

1 3

JANELLE FARKAS
NOVEMBER 12, 2019

According to the International Institute for Analytics, businesses that use data will gain \$430 billion in productivity benefits over competitors who aren't using data by 2020. As an industrial engineer for the Northeastern Pennsylvania Industrial Resource Center, part of the MEP National Network, I tell small-business owners and manufacturers that this quote does not say you

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**Manufacturing
& Technology**
an **IndustryWeek** event

April 1-3, 2019

David L. Lawrence Convention Center
Pittsburgh, PA USA

 Presenter of the
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Special thanks to our partners!



Social Media



MEP National Network™: The Go-To Experts for Advancing U.S. Manu...

NIST MEP ✓
@NIST_MEP

Official twitter feed of the NIST Manufacturing Extension Partnership—a National Network of experts dedicated to helping U.S. manufacturers. #MEPNationalNetwork

📍 Gaithersburg, Maryland 🌐 nist.gov/mep/ 📅 Joined May 2011

906 Following 6,912 Followers

Twitter
6,962 followers



MEP National Network™: The Go-To Experts for Advancing U.S. Manufacturing

Manufacturing Extension Partnership
@NISTMEP

Home Posts Photos Videos Manufacturing Day About Notes Reviews Community Promote Manage Promotions

Write something...

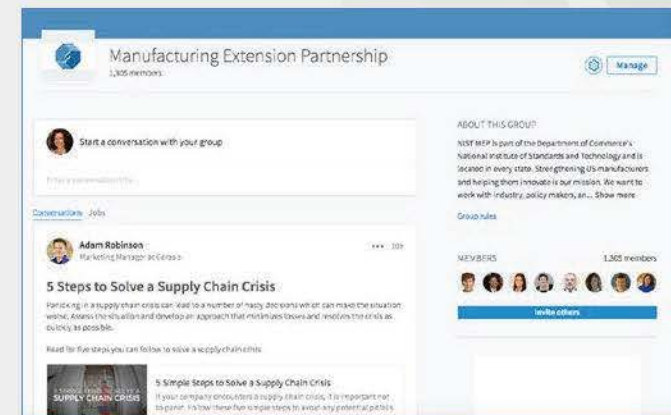
Share a photo or video Advertise your business Start a live video Get sign ups Get phone calls Get messages Publish a job post Help people find your business

Government Organization in Gaithersburg, Maryland
5.0 ★★★★★
Always Open

Our Story
The National Institute of Standards and Technology's Hollings Manufacturing Extension Partnership (M...
→ Finish your story to tell people more

Facebook
9,520
followers

LinkedIn
Group: 1,422 members
and a Showcase Page



Manufacturing Extension Partnership
1,422 members

Start a conversation with your group

Adam Robinson
Marketing Manager at Genesys

5 Steps to Solve a Supply Chain Crisis

Participating in a supply chain crisis can lead to a number of nasty decisions which can make the situation worse. Assess the situation and develop an approach that minimizes losses and resolves the crisis as quickly as possible.

Read for five steps you can follow to solve a supply chain crisis

5 Simple steps to solve a Supply Chain Crisis
If your company encounters a supply chain crisis, it is important not to panic. Follow these five simple steps to avoid any potential setbacks.

ABOUT THIS GROUP
NIST MEP is part of the Department of Commerce's National Institute of Standards and Technology and is located in every state. Strengthening US manufacturers and helping them innovate is our mission. We want to work with industry, policy makers, an... Show more

MEMBERS
1,422 members
Invite others

Post Reach and Engagement

*Posts with the Most Engagement & Highest Reach Utilizing the #MEPNationalNetwork Hashtag
(Number of impressions, people reached, reactions, shares and comments)*

FY20 Q1

**5,483 Impressions;
Total Engagement: 47
12 likes, 9 retweets,
7 profile clicks, 1 reply**



Join the “Cybersecuring The Supply Chain – Make Cybersecurity A Competitive Advantage webinar”...

**545 Impressions;
9 reactions;
1 comment; 8 shares**



Cincinnati Crane & Hoist was the victim of a cyberattack in 2017 through a spearfishing campaign...

**1,400 People Reached;
Total reactions,
comments, shares: 92;
Total engagements: 238; 64 likes;
13 comments; 15 shares**



Cincinnati Crane & Hoist was the victim of a cyberattack in 2017 through a spearfishing campaign...

Social Media Campaign: Meet the Network

MEET THE MEP NATIONAL NETWORK™



Introducing
Diana Martinez, Ph.D.

Business Advisor and Lean Six Sigma Master Black Belt
13 Years in Manufacturing Industry



PART OF THE



MEP
National
Network™

Earned Media

The MEP National Network: A Public-Private Partnership That's All About Boosting U.S. Manufacturing



Jim Vinoski Contributor
 Manufacturing
I write about all facets of manufacturing.

f
 t
 in



MEP National Network™

American manufacturing has been on a steady growth streak for years now, but that wasn't always the case. Back in the middle to late 1980s, U.S. industry was mired in a long, severe slump, and had been shedding plants and workers since the 1970s.

Quality Digest Live -- April 19, 2019



Video Information



LEADERSHIP

From Prototype to Product, with Plenty of Guidance

Nuclear Sensors Startup Gets an MEP Boost.

Kathie Mahoney
 AUG 14, 2019

Discussions & Questions



You may also email Cheryl Gendron at Cheryl.Gendron@NIST.gov or call 301-975-2785.



MEP Advisory Board Working Group Updates





Supply Chain Development Working Group

- **Committee Members**
 - Board Leadership
 - **Matthew Newman**
 - Board Members
 - **LaDon Byars, Bernadine Hawes, Mary Isbister, Chris Weiser**
 - NIST MEP Support
 - **Dave Stieren, Mark Schmit**
- **Deliverable**
 - Guidance and perspectives on the MEP National Network support and development of manufacturing supply chains with an emphasis on defense suppliers regarding Defense Industrial Base gaps; and expertise on who should be brought into the discussion to provide insight on defense supplier gaps.



Discussion Topics for the Board

MEP National Network supports DoD Supply Chains in many areas, highlighted by:

- Cybersecurity awareness and assistance.
- Working with DoD in technology transfer / transition involving defense manufacturing suppliers.

NIST MEP seeks ongoing Advisory Board perspectives on these MEP National Network focus areas, approaches, challenges



MEP National Network Cybersecurity

February 2020

MEP National Network cybersecurity assistance for small manufacturers continues to develop nationwide capabilities

- Continues to be spurred by strong partnerships with DoD.
- Continued MEP role with Defense Federal Acquisition Regulation Supplement (DFARS) requirements for defense sector.
- Emerging MEP Center role with new DoD Cybersecurity Maturity Model Certification (CMMC) Program.



78% in supply chain attacks last year

“Supply chain attacks are the type of cyber attack that looks for an opening into a network through the supply network, which is notorious for its lack of security. Malware statistics show that these are on the rise in all industries, so making sure your suppliers keep their online databases safe is a must.”

Source: Symantec

Every 39 Seconds

A Clark School study at the University of Maryland is one of the first to quantify the near-constant rate of hacker attacks of computers with Internet access — **every 39 seconds on average**, affecting one in three Americans every year — and the non-secure usernames and passwords we use that give attackers more chance of success.

Cyber Risk Assessments Need Improvement

Almost one-third of manufacturers have not performed cyber risk assessments specifically focused on the industrial control systems operating on their shop floors, resulting in a potentially significant risk to their operations.

Source: Cyber risk in advanced manufacturing, Deloitte and MAPI



MEP National Network Cybersecurity Progress Summary – February 2020



Defense Contractor
Cybersecurity
Implementation Still Low



49 MEP Centers in
Cybersecurity WG



48/51 MEP Centers
with Cyber Practice

The MEP National Network has made significant progress ... and continues to move forward addressing important needs.

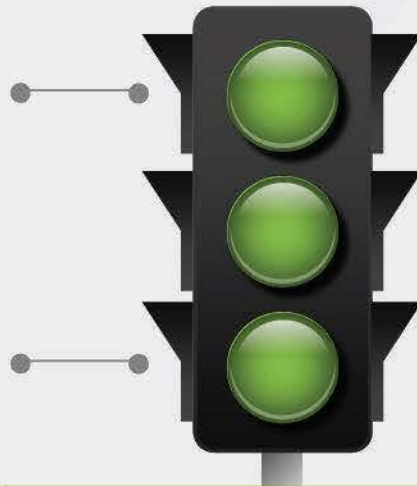


MEP National Network Progress: Cybersecurity Assistance Practice

February 2020

>3,400 Small
Manufacturers served
by MEP Centers
Nationwide.

~225 Awareness &
Training Events
conducted by MEP
Centers Nationwide.



958 cybersecurity
projects conducted for
U.S. manufacturers by
MEP National
Network since 2015.

Expanding capabilities across
the Network

NISTIR 7621 “Small Business Information Security: The Fundamentals,” has also been **downloaded over 163,000 times** since publication by Pat Toth, NIST MEP, in Nov 2016.



MEP National Network Progress: Cybersecurity Assistance Practice

February 2020

- 12 MEP Centers have received ~\$15M OEA funding, focused on working with state-based organizations.
- **Focus on cyber workforce training and education.**
- NIST Handbook 162 downloaded ~78,000 times since Nov 2017 NIST MEP publication.
- **Pat Toth, NIST MEP, author.**



- MEP NN Cybersecurity Working Group (WG) meets every 6 weeks.
- **WG face-to-face mtg in Orlando, May 2020.**

Expanding capabilities across
the Network



Highlights: MEP Cybersecurity and the DoD

NIST MEP – OUSDR&E Interagency Agreement (IAA) funding MEP Centers to serve cyber needs of small defense mfg suppliers between Aug. 1, 2019 – Dec. 31, 2020.

- National Network award, led by MI MEP, to provide nationwide cybersecurity awareness, hands-on technical assistance, and pilot operational technology (OT) protections.
 - Collaborating with NIST Labs.
 - Collaborating with MxD Manufacturing USA Institute in Chicago.
- MEP Center participation from >30 states, in addition to MI:
 - AL, CA, CO, CT, DE, FL, GA, ID, IL, IN, KS, KY, LA, MA, MD, MO, MS, NC, NJ, NY, OH, OK, OR, PA, RI, SC, TN, TX, WA, WI, WV.



Highlights: MEP Cybersecurity and the DoD

National awareness for
defense contractors

Event schedule

<u>Area</u>	<u>Region</u>	<u>Date</u>
Michigan, Indiana, Ohio	MW	11/22/2019
Long Island, New York	NE	12/5/2019
Mass, CT, RI	NE	12/17/2019
Florida, Georgia	SE	1/30/2020
Texas, Oklahoma	SW	2/11/2020
Selfridge Base (Special Event)	MW	2/26/2020
Texas, Louisiana	SE	3/10/2020
Ohio, Indiana, Kentucky	MW	3/10/2020
Webinar	Nat'l	3/16/2020
Michigan, Indiana, Ohio	MW	3/17/2020
DC, Maryland	East	3/24/2020
Alabama, Mississippi, Georgia	SE	3/26/2020
Southern California	West	3/31/2020
Florida, Georgia, Alabama, Mississippi	SE	4/2/2020
Nashville	SE	4/9/2020
Pennsylvania, Ohio, WVA	MW	4/16/2020
Virginia, North Carolina	SE	4/21/2020
Washington, Oregon, Idaho	NW	4/22-23/20
Pennsylvania, New Jersey, Delaware	NE	4/30/2020
Webinar	Nat'l	5/15/2020
North Carolina, South Carolina	SE	5/20/2020
Cleveland	MW	6/9/2020
Kansas, Missouri	MW	6/17/2020
Webinar	Nat'l	7/15/2020
Illinois, Missouri	MW	7/15/2020
Washington, Oregon	NW	8/5/2020
Denver	Mountain	8/20/2020
Southern California	West	9/10/2020
Webinar	Nat'l	9/15/2020
Chicago, Wisconsin	MW	9/15/2020
Mississippi (Special event)	SE	4/00/20



Highlights: MEP Cybersecurity and the DoD

- Hands-on MEP Center technical assistance to defense contractors.
 - Defense contractors to receive comprehensive, hands-on technical assistance from MEP Centers to prepare for DFARS compliance; assistance underway.
 - Companies located in CA, CO, CT, FL, IL, MD, NC, OR, PA, TX, VT.
 - DoD supply chains represented by these companies include: aerospace, air defense, satellite tracking, electronics, energy systems and batteries, energetics, solidier systems, fire protection, nuclear propulsion, et.al.
 - Manufacturing processes conducted by these companies include machining, additive manufacturing, electronics processing, composites manufacturing, optics manufacturing, packaging, industrial automation, et.al.



Highlights: MEP Cybersecurity for Defense Manufacturing and the NIST Laboratories

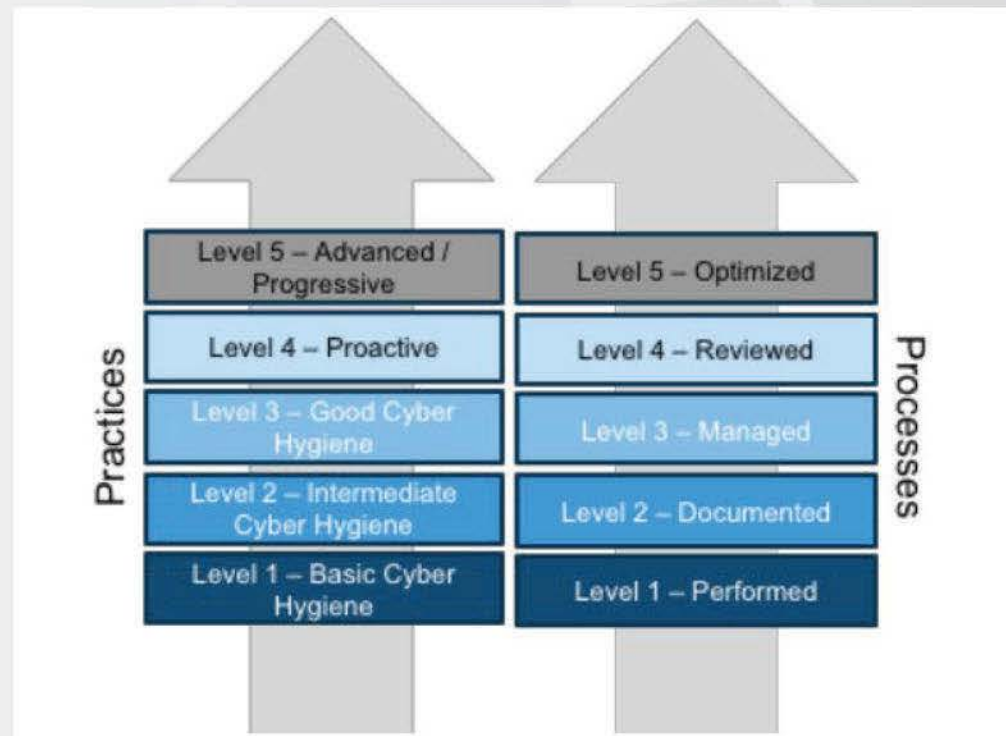
- MEP Centers, NIST MEP working with NIST Labs to develop new NIST Cybersecurity Framework Manufacturing Profile Implementation Guidance.
 - MEP Center clients from MI and IN have been assessed against NIST CSF Manufacturing Profile to generate use cases for NIST Labs to produce next iteration of Manufacturing Profile Implementation Guidance.
 - NIST Lab activities funded by NIST MEP under NIST MEP – OUSDR&E IAA.
 - Implementation Guidance from NIST Labs will:
 - Address operational technology (OT) vulnerabilities specific to manufacturing operations that are not covered by DFARS cybersecurity requirements.
 - Be pilot implemented at the 2 participating manufacturers.



New DoD Cybersecurity Maturity Model Certification (CMMC) Program

NIST MEP providing ongoing guidance to MEP Centers' approach.

- Future DoD acquisitions will include required certification levels for contractors.
- CMMC does not yet directly impact MEP Centers' engagements with small defense contractors.
- CMMC does not negate DFARS requirements.





New DoD Cybersecurity Maturity Model Certification (CMMC) Program

- MEP working closely with DoD to understand program plans and position MEP Center role for assistance to defense contractors.
- CMMC model released January 2020.
- 15 member CMMC Advisory Board formed.
- Certification of Assessment Orgs Summer 2020.
- New DFARS rule on CMMC June 2020.
- RFI for 10 “pathfinder” contracts June 2020.
- RFPs for 10 “pathfinder” contracts September 2020.
- Full implementation by 2026.



Technology Transfer and Transition Support for DoD

MEP National Network supporting:

- Small manufacturer participation in new regional innovation initiatives called Tech Bridges that are being established by the Navy around the U.S.
- Technology insertion for Navy shipbuilding.



Photo from Gerald R. Ford Presidential Foundation



MEP and NavalX Tech Bridges

- NavalX established in Feb. 2019.
 - Creation of Tech Bridges to connect and sustain acceleration ecosystems for Navy needs in off-base Navy locations around U.S.
 - Tech Bridges partnering with start-ups, academia, corporations, small businesses, non-profits, private capital, government entities.
 - Tech Bridges building sustainable networks for collaboration and accelerating problem solving; supporting collision spaces; and generating dual-use solutions.
- MEP Centers operating in Tech Bridge states are working with Tech Bridges to engage small U.S. manufacturers.
 - Tech Bridges currently in RI, SC, FL, IN, CA, and WA.
 - Other Tech Bridges being considered, including DC/VA/MD, VA, HI, others.
 - Polaris MEP (RI) out in front – thanks, Christian Cowan.
 - NIST MEP negotiating national partnership with Office of Naval Research for execution in 2020 to engage and fund MEP Center efforts in Tech Bridge activities.



MEP and Navy Shipbuilding

- NIST MEP – Naval Sea Systems Command Interagency Agreement (IAA).
 - Provides funding to NIST MEP for MEP Centers to identify and insert leading-edge manufacturing technology into Navy shipbuilding applications.
 - Currently focused on steel fabrication and assembly operations used in production of Ford Class aircraft carriers at Newport News Shipbuilding in Newport News, VA.
 - Current MEP Center tasking led by GENEDGE Alliance (MEP Center in VA).
 - IAA structured for National expansion to other shipbuilding applications in other states and involving other MEP Centers.
 - National cohort of MEP Centers established in states where Navy shipbuilding occurs (public and private yards) to prepare for expansion of efforts.



Executive Committee Working Group

- Committee Members
 - Board Leadership
 - **Bernadine Hawes, Chair of MEP Advisory Board**
 - **Matt Newman, Vice-Chair of MEP Advisory Board**
 - Board Members
 - **Mitch Magee**
 - **George Spottswood**
 - **Pat Moulton**
 - NIST MEP Support
 - **Carroll Thomas, Cheryl Gendron, Phill Wadsworth, Wiza Lequin**
- Deliverable
 - Provide guidance on future MEP Advisory Board leadership and membership recruitment, provide insights into cultivating strong Board governance as well as explore ways to expand the MEP Advisory Board's role in regard to the local MEP Center Boards.



Center Board Outreach Program

- Enhance **strength of relationships** between national and local boards.
- Communicate and Educate local leaders about the MEP National Network.
- Learn about your assigned Centers.



Strategic Plan Mapped To National Network

EMPOWER MANUFACTURERS

Primary

51 Centers/CLT

Collaborative Support

Extension Services

Important Support

NIST MEP Leadership
R&S Partnerships
Network Learning & Comp
M&C
PEER
FM/Center Ops
Admin
IT/Security

CHAMPION MANUFACTURING

Primary

51 Centers/CLT
NIST MEP

Extension Services

M&C

R&S Partnerships

NIST MEP Leadership

ASMC/FORME

Advisory Board

Center Boards

Collaborative Support

Network Learning and Comp

PEER

Important Support

FM/Center Ops
Admin
IT/Security
Staff Resource Mgmt

LEVERAGE PARTNERSHIPS

Primary

51 Centers/CLT
NIST MEP

Extension Services

M&C

NIST MEP Leadership

R&S Partnerships

Center Boards

Collaborative Support

Advisory Board

ASMC/FORME

PEER

Important Support

Admin
FM/Center Ops
IT/Security
Staff Resource Mgmt

TRANSFORM THE NETWORK

Primary

51 Centers/CLT
NIST MEP (All)

Collaborative Support

Advisory Board

Center Boards

ASMC/FORME



Center Board Outreach into Action

- **Questions for Board Leaders**

- What are the most important key initiatives being undertaken at the national level and how are these similar to or different from those happening locally?
- What is the local vision, if any, for manufacturing and how does this integrate with the national vision?
- What are the best practices that are garnering attention and how might they apply locally?
- What are some of the most effective forms of advocacy?
- How can the MAB and the local center become more aligned and informed regarding their respective agendas?

- **Discussion on Current Progress with Outreach**

- Discuss the availability of technology and the openness of the local boards to having outside people attend their meetings.
- Explore challenges and successes.
- Discuss how can staff support your efforts.
- Layout next steps for the program.



New Working Group Discussion: The Next Strategic Plan

Why have a Strategic Plan?

Purpose - to provide long-term, program direction for the MEP National Network and to unite and align stakeholders, partners, management and staff with this direction.

*Provide guidance on what to do as well as what **NOT** to do.



The Development of the 2017-2022 Plan

MEP Advisory Board Strategic Planning Working Group

- Started to work on update one year prior (March 2016).
- Board working group members.
 - Vickie Wessel, former Board Chair
 - Bernadine Hawes, MEP Board member
 - Eileen Guarino, former MEP Board member
 - Dave Cranmer, former NIST MEP Deputy Director
 - Mike Simpson & Wiza Lequin, NIST MEP staff
- Conducted feedback sessions with several groups of stakeholders. (CD, Ctr Boards, practitioners, NIST MEP staff and RFI)



Implementation Plan Timeline

Sept. 2016
-
Jan. 2017

- Gathered input from the MAB, Center Directors, Center Boards, staff and partners.

Jan. 2017

- Drafted implementation plan.

Feb.-Mar.
2017

- MAB working group reviewed implementation plan progress – 3/2/2017.
- Revise and complete review of implementation plan, NLT 3/23/2017.

Mar.-Apr.
2017

- Finalize implementation plan.
- Obtain full MAB concurrence, and partner and stakeholder feedback; April 15.

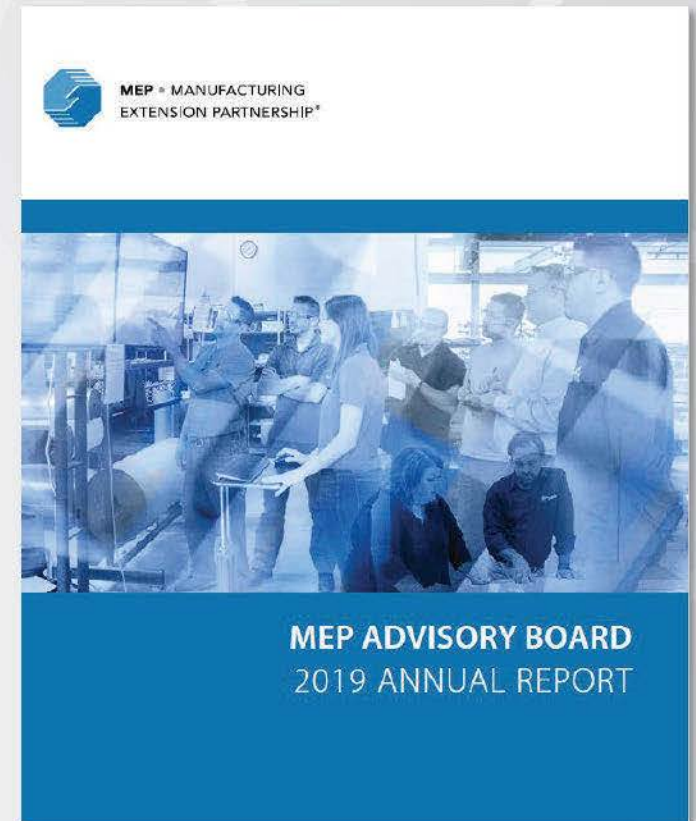
2017-2022

- Execute implementation plan.
- Review and update throughout life of the plan.



Other Discussion Topics for the Board

- 2019 MEP Advisory Board Report
 - Special thanks to the NIST MEP M&C team - especially to Katie Rapp.
 - Timeline/sharing the report.
- Supporting/mentoring new members
 - Three new members onboard.
- MEP Advisory Board leadership into 2020





Bernadine



6

Years of
service to
the MEP
Program

2

Years as
Vice Chair
2017-2018

1

Year as
Chair
2019-2020



Future Meeting Schedule

2020

Wednesday, June 3, 2020*

Tulsa, OK

Tour and Board Dinner: Tuesday, June 2, 2020

Additional details to follow.

Tuesday, Sept. 22, 2020*

Phoenix, AZ

In conjunction with the MEP National Network Update Meeting and FORME Best Practice Conference

Associated Events throughout the week.

Monday, Sept. 21-24, 2020.

*Timing Subject to Change.



Discussions & Questions



You may also email Cheryl Gendron at Cheryl.Gendron@NIST.gov or call 301-975-2785.



Meeting Wrap Up



You may also email Cheryl Gendron at Cheryl.Gendron@NIST.gov or call 301-975-2785.



Thank You

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