

MEP Advisory Board

June 2020 FACA Board Meeting



MEP • MANUFACTURING
EXTENSION PARTNERSHIP®

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



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.



Wednesday, June 3, 2020: MAB Meeting Details

Time	Event Title
1 p.m.- 1:15 p.m.	Board Meeting Opening/Logistics
1:15 p.m.-1:40 p.m.	Welcome and Introductions <ul style="list-style-type: none">• Opening Remarks• Greetings from Oklahoma MEP Director and Chair of Center Board• Welcome from NIST and NIST MEP Leadership• Board and Audience Introductions
1:40 p.m.-2:25 p.m.	NIST MEP Senior Management Update
2:25 p.m.-2:50 p.m.	CARES Act Update <ul style="list-style-type: none">• Board Feedback and Discussion
3:10 p.m.-3:50 p.m.	MEP National Network™ Current & Future Strategic Planning <ul style="list-style-type: none">• Board Feedback and Discussion
3:50 p.m.-4:30 p.m.	Wrap Up/Public Comments



Welcome to Tulsa!



Matthew Newman
MEP Advisory Board Chair



Featuring

- Dave Rowland, Oklahoma Manufacturing Alliance, President/CEO.
- Scott Ritz, Public Service Company of Oklahoma, Director, Customer Service.



Dr. Walt Copan
NIST, Director



Carroll Thomas
NIST MEP, Director

Welcome and Introductions

- Welcome from NIST and NIST MEP Leadership
- Introduction of the MEP Advisory Board
- Meeting Host will read the list of Registrants
 - Name of attendee
 - Company affiliation



NIST MEP Senior Management Update

1

MEP Program Budget Outlook / Spend Plan

2

MEP National Network Update

3

NIST MEP Update

4

MEP National Network Strategic Plan Update



MEP Program Budget Outlook

(as of 5/19/2020)

FY 2020

Appropriation Status



Base funding: \$146 million

- \$6 million increase over FY 2019
- No cost share requirement

CARES Act

- NIST received \$66 million total
- MEP receives \$50 million of total NIST CARES Act funding

FY 2021

Appropriation Status



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

House and Senate budget committees are holding hearings on the funding mark.

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*	0.9
<u>CARES Act Supplemental Funding</u>	<u>50.0</u>
Total Available Funding	\$201.6

<u>Planned Expenditures:</u>	
Center Renewals	118.7
Center Supplemental Funding (CARES Act)	49.1
Strategic Competitions	9.4
Contracts	5.4
NIST MEP Labor	10.9
<u>NIST and Program Overhead</u>	<u>8.1</u>
Total Planned Expenditures	\$201.6

Estimated FY 2020 Efficiency Rate = 8.27%; actual FY 2019 Efficiency Rate = 10.74%.

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



The “Coronavirus Aid, Relief, and Economic Security Act” or the “CARES Act”

- The amount provided under this heading in this Act, **\$50,000,000** shall be for the **Hollings Manufacturing Extension Partnership** to assist manufacturers to prevent, prepare for, and respond to coronavirus”...”Provided further,
- That **none of the funds provided under this heading in this Act shall be subject to cost share requirements** under 15 U.S.C. 278k(e)(2) or 15 U.S.C. 278s(e)(7)(A): Provided further,
- That such **amount is designated by the Congress as being for an emergency requirement** pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985.



“Vital to MEP’s Response Contained in the CARES Act”

Hollings Manufacturing Extension Partnership
FY20 appropriated funding cost share
requirements waived.

It is the sense of Congress that—

- (1) the centers of the Hollings Manufacturing Extension Partnership are front-line resources for manufacturers to improve supply chain resilience, workforce readiness, and technological expertise; and
- (2) such Centers are positioned to mitigate damage and accelerate recovery from the National public health and economic crisis caused by COVID–19.



CARES Act Funding Update

Funding available to MEP Centers to prevent, prepare and respond to COVID 19 pandemic.

- Using Request for Application (RFA) process for non-competitive awards.
- Posted April 10, 2020.

Status

- First application received April 14
- As of June 3, 2020
 - 50 received
 - 16 packages at GMD
 - 20 awarded



Competitive Award Funding Update

Advanced Manufacturing Technology Services – Deploys advanced manufacturing technology services, emphasizing technology-based needs of small U.S. manufacturers:

- Purdue MEP – I-SMART
- TMAC – Applied AMT
- CMTC – Industry 4.0 Technical Assistance
- MMTC – D3+

MEP Disaster Award Program (MDAP) – Funding Opportunity released in March 2020

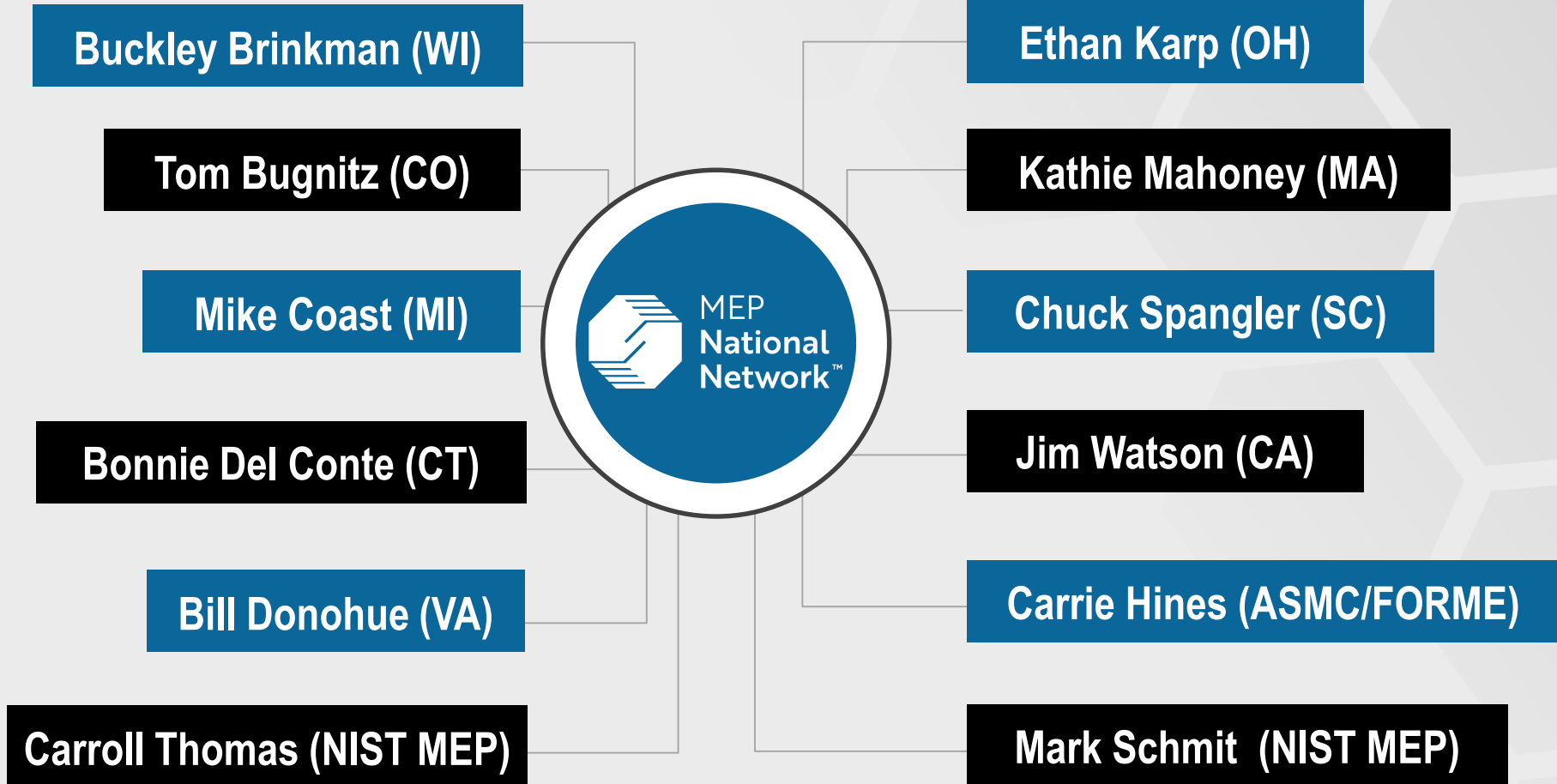
- Identify obstacles keeping affected manufacturers from returning to normal operations
- Develop plans to support recovery
- Connect SMMs to local, state and federal resources

(Rolling) Competitive Award Application in Review Process

- Packages in review process:
 - Mix of Cyber, Workforce, Advanced Manufacturing



MEP National Network Center Leadership Team (CLT)





MEP National Network Center Leadership Team (CLT) continued

Communication and Cooperation Structure

- CLT designing a framework to speed the transition from a broadcast to a network communication and cooperation structure.

Key Role in Current Pandemic Recovery

- National Network playing a key role in supporting U.S. manufacturing during the pandemic.
 - Facilitating the creation of alternative supply chains and manufacturing capability pivots to support increased production of PPE within and between states.
 - Assisting manufacturers to find sources of financing and other support.
 - Creating support structures for manufacturers.
 - Sharing best practices in employee safety production guidelines.
- Providing support services to facilitate manufacturing recovery efforts.



In Support of the MEP National Network NIST MEP Extension Services

- **MEP National Network Supplier Scouting**
 - Re-established / mobilized in March 2020 to help MEPNN respond to National crisis and identify U.S. manufacturers with capabilities, capacities to produce short supply and critical need items for national and state-based needs.
 - **51 Center Participation.**
 - Leveraging online collaboration platforms, MEP Connect and MEPU, for MEP Centers to organically communicate about/respond to national, state-based needs.
- **MEP-Assisted Technology and Technical Resource (MATTR)**
 - **High current interest** to connect small mfg clients of MEP Centers w/NIST Labs.
 - MEPNN recognized as conduit to help NIST scientists, engineers offer assistance to U.S. mfg clients of MEP Centers in response to National crisis; following process similar to MEPNN Supplier Scouting.
 - MEPNN MATTR WG continuing to develop MATTR as MEP Center service.
 - NIST MEP facilitating CRADAs between MEP Center clients and NIST Labs; also compensating NIST Labs, as warranted by MATTR opportunities.



Advanced Manufacturing Industry 4.0 for End-to-End Cyber-Physical Connectivity Activities Across the Network



Advanced Manufacturing Technology Services Funding: awards made by NIST MEP in May for multi-Center projects to accelerate MEP Center service delivery in Industry 4.0 to Centers in CA, IN, MI, TX.



CAP project led by OMEP, involving multiple MEP Centers, sharing useful foundational info across MEPNN; also working closely w/CLT.



MEPNN Industry 4.0 WG operating to share best practices and highlight Center work underway; facilitated by NIST MEP; dozens of Centers participating.



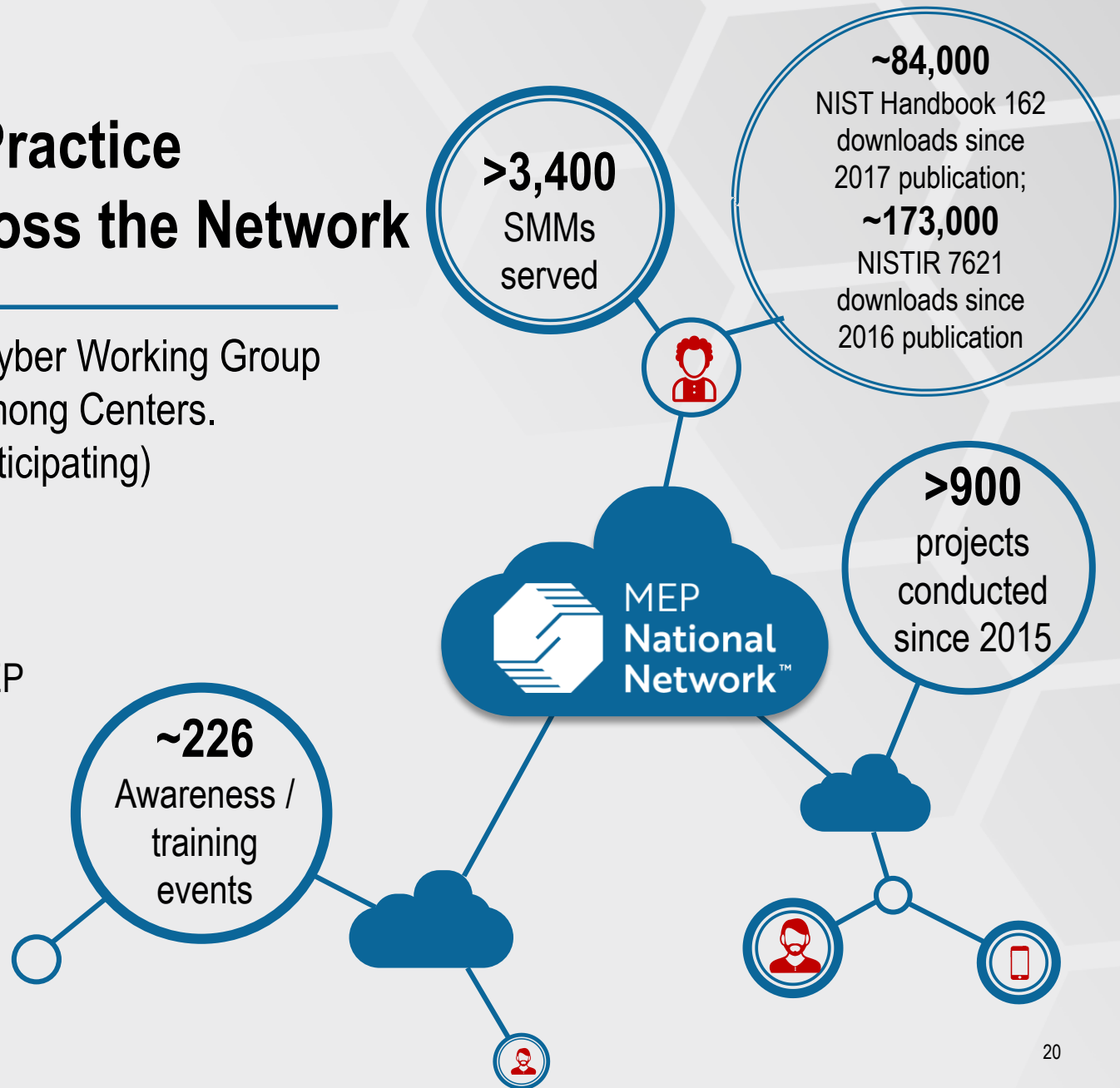
MEP Centers utilizing user/demonstration facilities and continuing to collaborate with Manufacturing USA Institutes.



Cybersecurity Practice Developing Across the Network

MEP National Network Cyber Working Group sharing best practices among Centers. (50 Centers currently participating)

Cyber for Defense Mfg Special Project Award from NIST MEP to MMTc (MI MEP Center) focused on awareness, assistance for >1,000 defense contractors; participation from >30 MEP Centers, 2 NIST Labs; currently experiencing tasking interruptions.





FY 19 MEP Impacts Economic Analysis

In May 2020, *Summit Consulting* and the *W.E. Upjohn Institute for Employment Research* published a study that found the MEP Program generated a **substantial return on investment** of nearly **13.4:1** for the **\$140 million** invested in FY 2019 by the federal government.





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EXTENSION PARTNERSHIP®**

NIST MEP Updates



Welcome Mojdeh Bahar New Associate Director for Innovation and Industry Services



Mojdeh Bahar

Ms. Bahar comes to NIST from the Department of Agriculture (USDA) Agricultural Research Service, where she has served as the assistant administrator for technology transfer. There, she had broad responsibility for managing intellectual property and technology transfer across the USDA.

She led the service's external interactions with industry, academia and government dealing with intellectual property and technology transfer.



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

Mellissa 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

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

Celia Paulsen (*Detailee*)

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 & Support 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 (AO 480, 488)

Michele Montgomery

480 Carroll Thomas
MEP Director



NIST Campus Locations Status

- All NIST staff including NIST MEP staff have been on mandatory telework since mid-March.
- NIST phased re-opening will emphasize employee safety and will focus on Laboratory staff having access to labs. NIST MEP staff will remain on maximum telework for an extended period returning in later phases.
- NIST MOVE Back In Committee suspended until office construction resumes.



MEP
National
Network™

Strategic Plan Update



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.

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





Quarterly Center Survey Requests

- NIST MEP **postponed** the Q1 2020 MEP Client Impact Survey.
- The Q2 2020 survey, scheduled for fielding from mid-July 2020 to mid-August, **will begin as scheduled**. This survey will **combine clients** from the **postponed Q1 survey** with those that would be **surveyed in Q2**.
- Centers **will have the ability to update records** for selected clients included in survey confirmation.
- During survey confirmation, Centers will have the **opportunity to indicate which manufacturers have closed** and will be permanently excluded from survey.
- Clients **unable to be surveyed in this period can be pushed into future quarters**.
- Survey **response rate will be removed** from the ten metrics used to measure Center performance until late 2021. NIST MEP will give **more weight to the two measures of market penetration** in measuring Center performance to accommodate the expected increase in clients served from the CARES Act funding.



18 Month Measures of Success

Goal: Improve on Time Reporting

Four Elements Measured:

- Progress plan
- Progress data
- Success story
- Survey confirmation

Baseline (Q2 2019):

- 40 Centers reported on time with first 3 elements
- 24 Centers reported on time across all 4 elements

Progress to Date (Q1 2020):

- Q1 survey postponed; data incomplete

Goal: Definitional Consensus

Define:

- Client/project
- Client manufacturing establishment interaction
- Working Group of Center Directors established

Center Working Group has been convened and is on hold. Will resume when emergency operations are completed.



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	97
Brand Mentions	138	125	127
Manufacturing Innovation Blog Subscribers	27,412	24,920	28,853
Social Media Followers	17,864	16,240	16,488
#MEPNationalNetwork Hashtag Occurrences	367	334	234

*Progress to date for Jan. 1, 2020 – March 31, 2020.

Note that we are helping MEP Centers understand the importance of branding during this time, as reflected in *MEP National Network: Meeting the Challenge* pdf.



Discussions & Questions



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



CARES Act Update



CARES Act Update

Rob Ivester, Ph.D., NIST MEP, Deputy Director

- CARES Act providing cost share relief **to All Centers in need.**
- CARES Act appropriations process **moving quickly and effectively.**



CARES Act Cost Share Relief

Cost Share Relief - Fulfill Congressional Intent, Maintain Legal Compliance.

- Congress intended the relief to be effective for one year, **starting immediately.**
- CARES Act language relief tied to FY 2020 Appropriations Act.
- CARES Act language enables Centers to forego relief to **preserve contingent State funds.**
- NIST challenged to execute quickly, maintain legal compliance.

MEP Centers' annual renewals staggered across Quarterly intervals.

- Renewals effective on October 1, January 1, April 1 or July 1.
- In 2020, **January and April** renewals received FY 2020 Consolidated Appropriations Act funds.
- **July and October** renewals operate on FY 2019 appropriated funding.
- Most Centers **did not have FY2020 funding**, presenting a barrier to cost share relief.



CARES Act Cost Share Relief .

NIST MEP Director memo to Center Directors April 13, 17 days after CARES Act signed into law.

- Centers electing for relief **must update documents** for Cooperative Agreement modification.
- **Immediate relief** for January and April renewals, update documents **later**.
- Nearly immediate relief for July and October renewals, must **request** emergency bridge funding, **notify** NIST in advance, and carefully **account** for these expenses separately.
- NIST Grants Management Division follow-up memo sent May 13.

All Centers are getting the cost share relief that they need.



CARES Act Appropriations

\$50M for Centers to prevent, prepare for and respond to the COVID19 pandemic:

- identify companies capable to respond to regional and national critical needs,
- connect to resources needed to support companies that can transition,
- technical assistance for companies to transition production to meet critical needs, and
- outreach to assess broadly the needs of manufacturing clients.

Non-competitive awards through Request for Application (RFA) posted April 10, 2020.

- RFA posted *14 days* after CARES Act signed into law.
- MEP *can* help guide Centers with proposal refinement, **unlike in a competition**.
- Merit reviews by MEP staff, including Resource Manager and Federal Program Officer.
- Program Official recommends to Selection Official or identifies need for changes.
- Grants Management Division processes applications packages, creates award.
- **NIST Goal**: all awards made by June 25!

Status:

- First application received April 14, 4 days after RFA posted!
- 50 received and 20 awarded as of June 3.



Discussions & Questions .



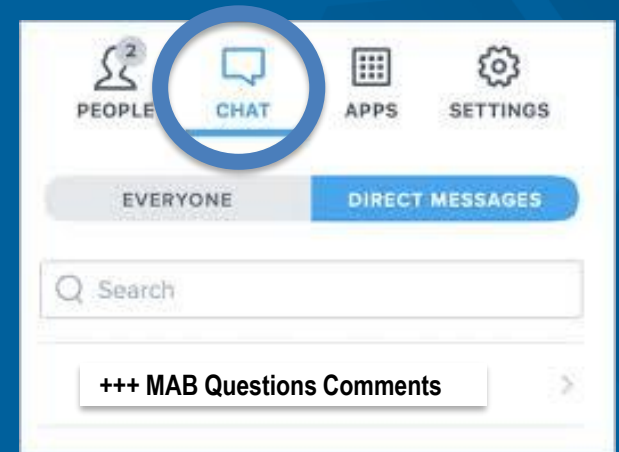
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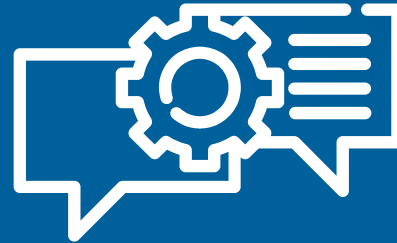


Break Welcome Back

Meeting Tip:

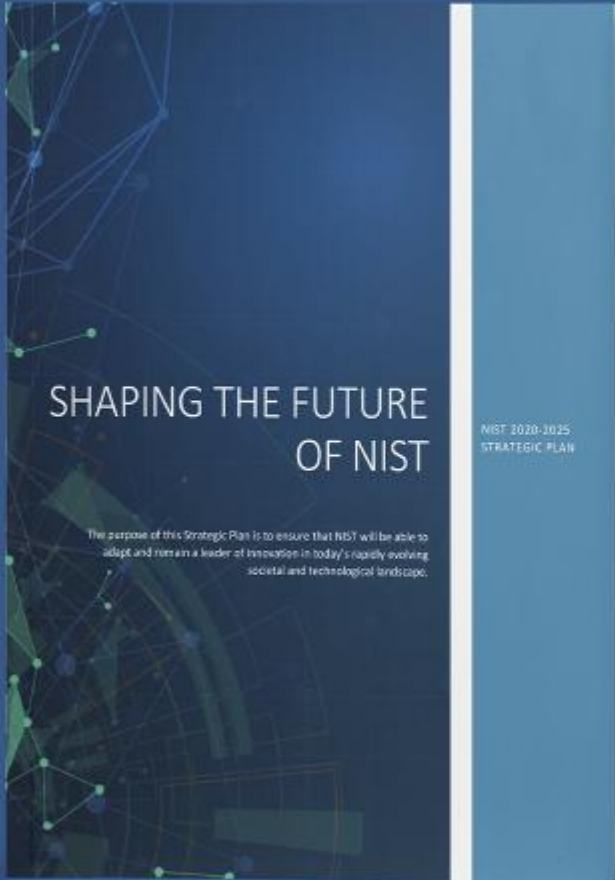
To add your question to the queue, please send a DIRECT MESSAGE via the chat feature to MAB Questions.





MEP National Network Current & Future Strategic Planning

Carroll Thomas
NIST MEP, Director



NIST 2020-2025 Strategic Plan



NIST 2020-2025 Strategic Plan





MEP National Network 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.**



MEP National Network 2017-2022 Strategic Goals





Our Current Operating Environment





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.



The Development of the 2023-2028 Plan

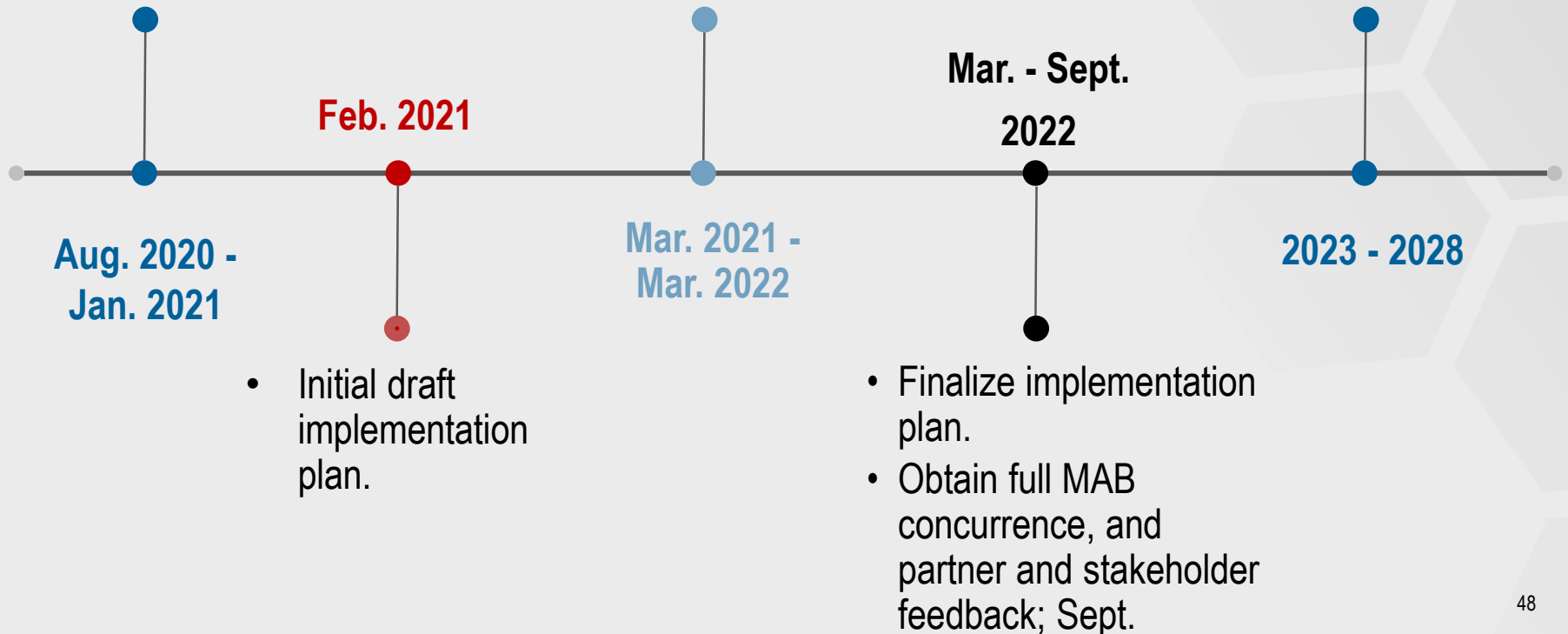
MEP Advisory Board Strategic Planning Working Group

- Board working group members.
 - **Matt Newman**, Board Chair
 - **Mary Isbister**, Board Vice Chair
 - **Kevin Heller**, Board member
 - **Kathay Rennels**, Board member
 - **Jim Wright**, Board member
 - **Willie May**, Board member
 - **Rob Ivester** and **Carroll Thomas**, NIST MEP Senior Management
 - **Adelwiza “Wiza” Lequin**, NIST MEP Network Learning and Strategic Competition Staff
- Working Group meetings start to work on update July 2020.
- Begin with feedback sessions with several groups of stakeholders. (CD, Ctr Boards, practitioners, NIST MEP staff and RFI).



Implementation Plan Timeline

- Gather input from the MAB, Center Directors, Center Boards, staff and partners.
- MAB Working Group review draft implementation plan progress – March 2021.
- Revise and complete review of implementation plan, NLT March 2022.
- Execute implementation plan.
- Review and update throughout life of the plan.





Discussions & Questions .



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



Meeting Wrap Up



Attendees May Send **Final Questions/Comments** for the Chair's Consideration
Using the **DIRECT MESSAGE** Feature



Changes to MEP Advisory Board Officers

New Board Chair and Vice Chair



Matthew Newman

Chair: June 1, 2020
ONEOK, Inc.
Oklahoma



Mary Isbister

Vice Chair: June 1, 2020
GenMet Corporation
Wisconsin



**Thank you and Goodbye to
Bernadine Hawes**

Six years of Service
Community Marketing Concepts
Pennsylvania



Discussions & Questions



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



Around the Table

Board Wrap Up





Future Meeting Schedule

2020 - 2021

Fall 2020

Formerly September 2020; Phoenix, AZ
Moving to a Virtual Meeting Platform

Details Coming Soon

2021

Planning is Underway

Details Coming Soon

Early March

- Washington, D.C.

Middle of June

- Location TBD

Middle of September

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



Thank You

Stay Connected



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<https://www.nist.gov/blogs/manufacturing-innovation-blog>

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www.nist.gov/mep