DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

RIN: 0693–XC014
[Docket No. 130212127–3550–02]

Proposed Establishment of a Federally Funded Research and Development Center—Second Notice

AGENCY: National Institute of Standards and Technology, Department of Commerce.

ACTION: Notice.

SUMMARY: The National Institute of Standards and Technology (NIST), Department of Commerce, intends to sponsor a Federally Funded Research and Development Center (FFRDC) to facilitate public-private collaboration for accelerating the widespread adoption of integrated cybersecurity tools and technologies. This is the second of three notices which must be published over a 90-day period in order to advise the public of the agency’s intention to sponsor an FFRDC.

DATES: Written comments must be received by 5:00 p.m. Eastern time on July 22, 2013.

ADDRESSES: Comments on this notice must be submitted to Keith Bubar either electronically at keith.bubar@nist.gov, or at: Keith Bubar, NIST, 100 Bureau Drive Mail Stop 1640, Gaithersburg, MD 20899–1640.

FOR FURTHER INFORMATION CONTACT: Keith Bubar via email at Keith.Bubar@nist.gov or telephone 301.975.8329. Or Keith Bubar, NIST, 100 Bureau Drive Mail Stop 1640, Gaithersburg, MD 20899–1640.

SUPPLEMENTARY INFORMATION: The National Cybersecurity Center of Excellence (NCCoE), hosted by NIST, is a public-private collaboration for accelerating the widespread adoption of integrated cybersecurity tools and technologies. The NCCoE will bring together experts from industry, government and academia under one roof to develop practical, interoperable cybersecurity approaches that address the real world needs of complex Information Technology (IT) systems. By accelerating dissemination and use of these integrated tools and technologies for protecting IT assets, the NCCoE will enhance trust in U.S. IT communications, data, and storage systems, lower risk for companies and individuals in the use of IT systems, and encourage development of innovative, job-creating cybersecurity products and services.

NIST has identified the need to support the NCCoE’s mission through the establishment of an FFRDC. In evaluating the need for the FFRDC, NIST determined that no existing FFRDC or contract vehicles provide the scope of services NIST requires. The proposed NCCoE FFRDC will have three primary purposes: (1) Research, Development, Engineering and Technical support; (2) Program/Project Management, to include but not limited to expert advice and guidance in the areas of program and project management focused on increasing the effectiveness and efficiency of cybersecurity applications, prototyping, demonstrations, and technical activities; and (3) Facilities Management. The proposed NCCoE FFRDC may also be utilized by non-sponsors.

The FFRDC will be established under the authority of 48 CFR 35.017. The NCCoE FFRDC Contractor will be available to provide a wide range of support including, but not limited to:

• Research, Development, Engineering and Technical Support:
  ○ Establish relationships with private sector organizations to use private sector resources to accomplish tasks that are integral to the operations and mission of the NCCoE.
  ○ Research and develop frameworks and implementation strategies for inducing industry to invest in and expedite adoption of effective cybersecurity controls and mechanisms on an enterprise-wide scale; and in collaboration with Federal and local governments, deliver planning and documentation support needed to transfer technologies developed by Federal cybersecurity organizations and the NCCoE to production, integration, economic development, and operational implementation entities.
  ○ Provide systems engineering support to NCCoE programs and proposed security platform development, selection, and implementation. This will include NCCoE infrastructure, project planning, project implementation, and technology transfer components of the NCCoE’s efforts to accelerate adoption of robust cybersecurity technologies in the government and private sectors.
  ○ Generate technical expertise to create a relevant cybersecurity workforce in coordination with the NCCoE staff and in close collaboration with the National Initiative for Cyberspace Education and with Federal government, university, and industry participants and collaborators in NCCoE activities.
  ○ Deliver strategies and plans for applying cybersecurity standards, guidelines, and best practice inducements and capabilities to both government and private sectors.

• Program/Project Management:
  ○ Work within the purpose, mission, general scope, or competency as assigned by the sponsoring agency.
  ○ Develop and maintain in-depth institutional knowledge of NCCoE programs and operations in order to maintain continuity in the field of cybersecurity and to maintain a high degree of competence, objectivity, and independence in order to respond effectively to the emerging cybersecurity needs of the Nation.

• Facilities Management:
  ○ In coordination with NCCoE staff, and in collaboration with the State of Maryland and Montgomery County, Maryland, manage physical and logical collaborative facilities to support the acceleration and adoption of robust cybersecurity technologies in the government and private sectors. The activity includes staff support for information technology operations, custodial functions, physical access management, and maintenance operations.

The FFRDC will partner with the sponsoring agency in the design and pursuit of mission goals; provide rapid responsiveness to changing requirements for personnel in all aspects of strategic, technical and program management; recognize Government objectives as its own objectives, partner in pursuit of excellence in public service; and allow for use of the FFRDC by non-sponsors.

We are publishing this notice in accordance with 48 CFR 5.205(b) of the Federal Acquisition Regulations (FAR), to enable interested members of the public to provide comments on this proposed action. This is the second of
three notices issued under the authority of 48 CFR 5.205(b). In particular, we are interested in feedback regarding the proposed scope of the work to be performed by the FFRDC, and the presence of any existing private- or public-sector capabilities in this area that NIST should be considering. NIST intends to publicly summarize and address all comments received in response to these notices.

It is anticipated that a Request for Proposal (RFP) will be posted on FedBizOpps in the summer of 2013. Alternatively, a copy of the RFP can be obtained by contacting the person listed in the FOR FURTHER INFORMATION CONTACT section above once the RFP is posted.

Dated: June 18, 2013.
Michael Herman, Executive Officer.

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DEPARTMENT OF COMMERCE
National Institute of Standards and Technology

[Docket No. 130426414–3414–01]
Request for Information on Pilots to Create the Potential New Manufacturing Technology Acceleration Centers (M–TACs)

AGENCY: National Institute of Standards and Technology (NIST), Department of Commerce.

ACTION: Notice; Request for Information (RFI).

SUMMARY: The National Institute of Standards and Technology (NIST) invites interested parties to comment on NIST’s planning for a Federal Funding Opportunity (FFO), anticipated in fiscal year 2014 (FY14), subject to the availability of appropriated funding. The anticipated 2014 FFO will competitively fund a select number of new Manufacturing Technology Acceleration Centers (M–TACs).

The M–TACs will focus on addressing the technical and business challenges encountered by small and mid-sized U.S. manufacturers as they attempt to integrate, adopt, transition, and commercialize both existing and emerging product and process technologies into their operations to help them grow and compete within manufacturing supply chains as innovative, value-adding components of our nation’s economy. U.S. small and mid-sized manufacturers are a critical segment of our economy, comprising over 90% of all manufacturing establishments and approximately 45% of employment. U.S. small and mid-sized manufacturers are also playing a growing role in technology innovation, including product and process technologies. The emphasis of these future M–TACs will be to conduct technology transition and commercialization activities with small and mid-sized U.S. manufacturers to foster their readiness to adopt and/or adapt advanced technologies into their manufacturing processes and products. M–TACs will amplify the effectiveness of the current Hollings Manufacturing Extension Partnership (MEP) network, establishing teams of experts in specific technology/supply chains, offering multiple services and deep expertise through the national MEP network.

This Request For Information (RFI) seeks comments relating to four primary issue areas regarding the M–TACs that are further defined herein; (1) Technology transition and commercialization tools and services that should be provided by M–TACs; (2) M–TAC roles relating to supply chain needs; (3) potential business models for M–TACs; and (4) M–TAC performance and impact metrics. In addition, NIST seeks comments relating to other critical issues that NIST should consider in its strategic planning for future M–TAC investments.

DATES: Comments are due on or before 11:59 p.m. Eastern Time on July 22, 2013.

ADDRESSES: Comments will be accepted by email only. Comments must be sent to diane.henderson@nist.gov with the subject line “M–TAC RFI Comments.”

FOR FURTHER INFORMATION CONTACT: Diane Henderson, 100 Bureau Drive, Mail Stop 4800, Gaithersburg, MD 20899–4800, 301–975–5105, diane.henderson@nist.gov; or David Stieren, 100 Bureau Drive, Mail Stop 4800, Gaithersburg, MD 20899–4800, 301–975–3197, david.stieren@nist.gov. Please direct media inquiries to NIST’s Office of Public Affairs at (301) 975–NIST.

SUPPLEMENTARY INFORMATION: The objective of this RFI is to assist NIST in the development of the anticipated 2014 FFO for the creation of M–TACs, should NIST receive future appropriated funds for this purpose. NIST notes that in advance of the targeted 2014 M–TAC FFO that is the subject of this RFI, NIST will be releasing an FFO in 2013 to fund approximately two pilot projects that will also inform the planning for future M–TAC investments.

Small and mid-sized manufacturers have proven to be flexible and adaptable in their approach to profitable growth through new markets, customers, products, and processes. Yet there remains a gap between the research being performed by universities, federal labs, consortia, and other entities, and the readiness of many small and mid-sized manufacturers to adopt both existing and emerging technologies into their products and processes to respond to the quality and performance requirements of original equipment manufacturers (OEMs). Recent reports by the President’s Council of Advisors on Science and Technology, as well as the Information Technology and Innovation Foundation, point out that small and mid-sized manufacturers lack the financial resources and technical capabilities that large manufacturers have to be able to stay abreast of, and gain access to, the universe of emerging technologies and processes being constantly innovated around the globe. As a result, technology adoption rates of smaller U.S. manufacturers lag those of larger ones.

Through the efforts of its existing network of Centers to provide Next Generation Innovation services, NIST’s Hollings MEP program has made strides forward to address these needs. However, to effectively assist small and mid-sized manufacturing firms to compete in the global economy, deep expertise specific to a given supply chain or sector is required.

The lack of readiness of small and mid-sized manufacturers and the corresponding lagging technology adoption rates of smaller manufacturers will be primary focus areas of M–TACs. Bridging the gap between available technologies and commercial adoption

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1 “2010 County Business Patterns,” U.S. Census Bureau Data, release date 10/2012. For information on confidentiality protection, sampling error, non-sampling error, and definitions, see http://www.census.gov/econ/susb/methodology.html.