

This section of the FEDERAL REGISTER contains documents other than rules or proposed rules that are applicable to the public. Notices of hearings and investigations, committee meetings, agency decisions and rulings, delegations of authority, filing of petitions and applications and agency statements of organization and functions are examples of documents appearing in this section.

DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

National Construction Safety Team Advisory Committee Meeting

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

ACTION: Notice of open meeting.

SUMMARY: The National Construction Safety Team (NCST) Advisory Committee (Committee) will meet in person and via teleconference on Thursday, September 28, 2017 from 8:30 a.m. to 5:00 p.m. Eastern Time. The primary purpose of this meeting is to update the Committee on the progress of the implementation of the recommendations made as a result of the National Institute of Standards and Technology (NIST) Joplin tornado investigation, provide the Committee an overview of ongoing work focused on enhancing the readiness and effectiveness of future National Construction Safety Teams in the field, and provide NIST's response to the Committee's 2016 Annual Report and recommendations. The agenda may change to accommodate Committee business. The final agenda will be posted on the NIST Web site at <https://www.nist.gov/topics/disaster-failure-studies/national-construction-safety-team-ncst/advisory-committee>.

DATES: The NCST Advisory Committee will meet on Thursday, September 28, 2017 from 8:30 a.m. until 5:00 p.m. Eastern Time. The meeting will be open to the public.

ADDRESSES: The meeting will be held in the Heritage Room of Building 101, NIST, 100 Bureau Drive, Gaithersburg, Maryland 20899. For instructions on how to participate in the meeting, please see the **SUPPLEMENTARY INFORMATION** section of this notice.

FOR FURTHER INFORMATION CONTACT:

Benjamin Davis, Management and Program Analyst, Community Resilience Program, Engineering Laboratory, NIST, 100 Bureau Drive, Mail Stop 8615, Gaithersburg, Maryland 20899-8604. Mr. Davis' email address is Benjamin.Davis@nist.gov; and his phone number is (301) 975-6071.

SUPPLEMENTARY INFORMATION: The Committee was established pursuant to Section 11 of the NCST Act (Pub. L. 107-231, codified at 15 U.S.C. 7301 *et seq.*). The Committee is currently composed of four members, appointed by the Director of NIST, who were selected on the basis of established records of distinguished service in their professional community and their knowledge of issues affecting the National Construction Safety Teams. The Committee advises the Director of NIST on carrying out the NCST Act; reviews the procedures developed for conducting investigations; and reviews the reports issued documenting investigations. Background information on the NCST Act and information on the NCST Advisory Committee is available at <https://www.nist.gov/topics/disaster-failure-studies/national-construction-safety-team-ncst/advisory-committee>.

Pursuant to the Federal Advisory Committee Act, as amended, 5 U.S.C. App., notice is hereby given that the NCST Advisory Committee will meet on Thursday, September 28, 2017, from 8:30 a.m. until 5:00 p.m. Eastern Time. The meeting will be open to the public. The meeting will be held in the Heritage Room of Building 101, NIST, 100 Bureau Drive, Gaithersburg, Maryland 20899. The primary purpose of this meeting is to update the Committee on the progress of the implementation of the NIST Joplin Tornado Investigation Report's recommendations, available at http://www.nist.gov/el/disasterstudies/upload/Recommendations_Joplin.pdf, and receive NIST's response to the Committee's 2016 Annual Report recommendations which can be found at <https://www.nist.gov/topics/disaster-failure-studies/national-construction-safety-team-ncst/advisory-committee>. The agenda may change to accommodate Committee business. The final agenda will be posted on the NIST Web site at <https://www.nist.gov/topics/disaster-failure-studies/national-construction-safety-team-ncst/advisory-committee-meetings>.

Individuals and representatives of organizations who would like to offer comments and suggestions related to items on the Committee's agenda for this meeting are invited to request a place on the agenda. On September 28, 2017, approximately fifteen minutes will be reserved from 1:05 p.m. to 1:20 p.m. Eastern Time for public comments. Speaking times will be assigned on a first-come, first-served basis. The amount of time per speaker will be determined by the number of requests received, but is likely to be three minutes each. Questions from the public will not be considered during this period. All those wishing to speak must submit their request by email to the attention of Mr. Benjamin Davis, Benjamin.Davis@nist.gov, by 5:00 p.m. Eastern Time, Friday, September 8, 2017.

Speakers who wish to expand upon their oral statements, those who had wished to speak but could not be accommodated on the agenda, and those who were unable to attend are invited to submit written statements to the NCST, National Institute of Standards and Technology, 100 Bureau Drive, MS 8604, Gaithersburg, Maryland 20899-8604, or electronically by email to Benjamin.Davis@nist.gov.

To participate in the teleconference, please submit your first and last name, email address, and phone number to Benjamin Davis at Benjamin.Davis@nist.gov or (301) 975-6071. After pre-registering, participants will be provided with detailed instructions on how to join the teleconference remotely. All visitors to the NIST site are required to pre-register to be admitted. Anyone wishing to attend this meeting must register by 5:00 p.m. Eastern Time, Friday, September 8, 2017, in order to attend. Please submit your full name, email address, and phone number to Benjamin Davis at Benjamin.Davis@nist.gov; his phone number is (301) 975-6071. Non-U.S. citizens must submit additional information; please contact Mr. Davis. For participants attending in person, please note that federal agencies, including NIST, can only accept a state-issued driver's license or identification card for access to federal facilities if such license or identification card is issued by a state that is compliant with the REAL ID Act of 2005 (Pub. L. 109-13), or by a state that has an extension for REAL ID compliance.

NIST currently accepts other forms of federal-issued identification in lieu of a state-issued driver's license. For detailed information please contact Benjamin Davis or visit: http://www.nist.gov/public_affairs/visitor/.

Kevin Kimball,
NIST Chief of Staff.

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DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

[Docket No. 170804731-7731-01]

Building the Foundations for Quantum Industry

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

ACTION: Notice; request for information (RFI).

SUMMARY: The National Institute of Standards and Technology (NIST) requests information about the broader needs of the industrial community in the area of quantum information science (QIS). NIST seeks input from stakeholders regarding opportunities for research and development, means and methods of inducing interaction and collaboration, providing support for emerging market areas, identifying barriers to near-term and future applications, and understanding workforce needs. As part of this effort, NIST will hold a workshop on Thursday, October 5, 2017. The information received in response to this RFI and during the workshop will inform recommendations for the development and coordination of U.S. Government policies, programs, and budgets to advance U.S. competitiveness in QIS.

DATES:

For Comments: Comments must be received by 5:00 p.m. Eastern Time on October 10, 2017. Written comments in response to the RFI should be submitted according to the instructions in the **SUPPLEMENTARY INFORMATION** section below.

For Workshop: The Workshop on Building the Foundations for Quantum Industry will be held on Thursday, October 5, 2017 from 9:00 a.m. to 5:00 p.m. Eastern Time. Attendees must register by 5:00 p.m. Eastern Time on September 29, 2017.

ADDRESSES:

For Comments: Written comments may be submitted only by email to Dr.

Jacob Taylor at qid@nist.gov in any of the following formats: ASCII; Word; RTF; or PDF. Please include your name, organization's name (if any), and cite "Building the Foundations for Quantum Industry RFI" in the subject line of all correspondence. All comments will be made publicly available at <https://www.nist.gov/news-events/events/2017/10/quantum-industry-day> as submitted. Accordingly, proprietary or confidential information should not be included in any comments, as they will be posted without change.

For Workshop: The workshop will be held at NIST, 100 Bureau Dr., Gaithersburg, MD 20899. Please note admittance instructions under the **SUPPLEMENTARY INFORMATION** section of this notice. To register, go to: <https://www.nist.gov/news-events/events/2017/10/quantum-industry-day>. Additional information about the workshop will be available at this web address as the workshop approaches.

FOR FURTHER INFORMATION CONTACT:

Kimberly Emswiler, Jacob Taylor, or Carl Williams by email at qid@nist.gov, or Kimberly Emswiler by phone at (301) 975-4208. Please direct media inquiries to NIST's Office of Public Affairs at (301) 975-2762.

SUPPLEMENTARY INFORMATION:

Background: Twenty five years of research and development work in QIS is producing dramatic new commercial opportunities domestically, including the first niche applications. There is also an increasing level of international activity and investment in the field. NIST is requesting this information and holding the workshop in support of the Interagency Working Group (IWG) on QIS of the National Science and Technology Council, Committee on Science, Subcommittee on Physical Sciences. The IWG was chartered in October 2014 to develop and coordinate policies, programs, and budgets for QIS research and development, and to further develop the scientific basis, infrastructure, future technical workforce, and intellectual property that will be required to address agency missions and secure future U.S. competitiveness in QIS. The IWG includes participants from the Departments of Commerce, Defense, and Energy; the Office of the Director of National Intelligence; and the National Science Foundation. In 2016, the IWG published an initial report identifying key challenges for emerging quantum industry, including: Institutional boundaries, education and training, technology development, and levels and stability of funding.

Request for Information

NIST seeks input from stakeholders regarding opportunities for research and development, emerging market areas, barriers to near-term and future applications, and workforce needs. The objective of this RFI is to gather facts that will assist the IWG's formation of recommendations for the development and coordination of U.S. Government policies, programs, and budgets to advance U.S. competitiveness in QIS. The questions below are intended to assist in the formulation of comments and should not be construed as a limitation on the number of comments that interested persons may submit or the issues that may be addressed in such comments. Comments containing references, studies, research, and other empirical data that are not widely published should include copies of the referenced materials. As noted above, all comments will be made publicly available as submitted; therefore proprietary or confidential information should not be included. NIST is specifically interested in receiving input pertaining to one or more of the following questions:

(1) *Identification of Opportunities*

QIS includes, for example, quantum computing and processing, quantum algorithms and programming languages, quantum communications, quantum sensors, quantum devices, single photon sources, and detectors. What areas of pre-competitive QIS research and development appear most promising? What areas should be the highest priorities for Federal investment? What are the emerging frontiers? What methods of monitoring new developments are most effective? What market areas are well-positioned to benefit from new developments in QIS? Where will a technology perspective study help most? Where are roadmaps useful for coordination?

(2) *Surmounting Challenges*

The 2016 report "Advancing Quantum Information Science: National Challenges and Opportunities"¹ identified institutional boundaries and knowledge transfer challenges, as well as workforce needs across the emerging quantum industry. To what extent are these challenges addressable by the formation of consortia? May they be addressed with structured academic-commercial or commercial-governmental interactions? What potential collaborative structures might

¹ https://obamawhitehouse.archives.gov/sites/whitehouse.gov/files/images/Quantum_Info_Sci_Report_2016_07_22%20final.pdf.