

From: [Scholl, Matthew A. \(Fed\)](#)
To: [Martin, Natalia G. \(Fed\)](#)
Subject: Re: Quarterly NCCoE Steering Committee Meeting (end of FY 21)
Date: Thursday, October 21, 2021 10:16:22 AM

I think for the NCCoE that might drive more into a research agenda, that's ok but usually something that is not done extensively with industry or external partners in many areas for a bunch of reasons. I am not the main PI for labels but that is being driven by Kat and Warren Merkel in NVLAP

From: Martin, Natalia G. (Fed) <natalia.martin@nist.gov>
Date: Thursday, October 21, 2021 at 10:02 AM
To: Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>
Subject: RE: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

This part I completely agree with you - quantum computing is far from commercial readiness. I'm still of an opinion that we should try to be ahead of the game. In addition to Cryptography and advance in AI – what other new cybersecurity concerns we can/should foresee? As we get better understanding of this question we can start working with the industry to make sure there is level of preparedness. After all – I cannot envision a clean switch – today we have conventional computing power, and tomorrow everyone will switch to QC ver 1. So, while NCCoE concerns are not with the basic research, I still would like to be involved into forward looking conversations. Are there other forums in NIST that track question of cybersecurity in PQ world?

Switching the topics - Cybersecurity Labeling – we agreed to discuss NCCoE project(s) initiation in response to recent Eos after your next Labeling event. Can you please help me to understand when it might be?

Thanks!

Natalia

From: Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>
Sent: Thursday, October 21, 2021 9:44 AM
To: Martin, Natalia G. (Fed) <natalia.martin@nist.gov>
Subject: Re: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

QED-C is a big organization working in a public private partnership with NIST on quantum engineering and associated issues around building the quantum economy. It is another FFRDC with NIST using SRI as the manger. Based on their workstreams and focus, I don't think there is something there for the NCCoE. I engage pretty regularly with QEDC but mostly to keep track of the state of quantum technology.

The real problem is that quantum is far from commercial readiness for an NCCoE engagement.

From: Martin, Natalia G. (Fed) <natalia.martin@nist.gov>
Date: Wednesday, October 20, 2021 at 4:56 PM

To: Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>

Subject: RE: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

Greetings Matt,

A quick follow up – after you left the meeting yesterday we talked a bit about the idea to start more actively tracking, researching, analyzing, etc. possible cybersecurity concerns related to PQC besides crypto. A few weeks ago, I've reached out on this question to Ron Boisvert and Oliver Slattery. They indicated that some level of this research already takes place across ITL, for example, but doesn't seem to have a cybersecurity vector. Ron suggested that some we can have a periodic discussions and drive this topic forward. Oliver named Thomas Gerrits, Lijun Ma, Alan Mink, Xiao Tang, Anouar Rahmouni, Sumit Bhushan named a few NIST researchers working with him within QED-C scope. As I brought this information at the meeting yesterday, Kevin suggested that I get in touch with you and coordinate any possible activities.

Please let me know if you think it's worth 15 min discussion.

Lastly, but not least, you have mentioned about a follow up workshop on the previous Cybersecurity Labeling. Can you please point me out if it's already on the calendar? Or am I missed something?

Thanks!

Natalia

From: Martin, Natalia G. (Fed)

Sent: Wednesday, October 20, 2021 3:01 PM

To: Souppaya, Murugiah P. (Fed) <murugiah.souppaya@nist.gov>; Stine, Kevin M. (Fed) <kevin.stine@nist.gov>; Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>; McBride, Tim (Fed) <timothy.mcbride@nist.gov>; Barker, William C. (Assoc) <william.barker@nist.gov>

Cc: Hastings, Nelson E. (Fed) <nelson.hastings@nist.gov>; Lefkovitz, Naomi B. (Fed) <naomi.lefkovitz@nist.gov>

Subject: RE: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

Murugiah,

Thanks for the update! I'll share updated slides with the NCCoE CORE group.

Colleagues,

Thanks again for your time, attention, and valuable comments during our discussion yesterday!

Below are my notes for the action items resulting from our review:

- Securing the Border Gateway Protocol project proposal - proceed with the initial research on this project. Consider hosting a workshop with industry to bring together the community and share our initial plan. Touch base with service providers, for example this project might be

benefit from a discussion with the Comcast. Work with the NIST CISO - Blair Heiserman and his group to keep them involved into build and test (for NIST). CIO Council will need to be briefed as the project progresses alone.

- Data Privacy and Security for AI-Enabled Healthcare Application - discuss feasibility and project use cases for the build scenarios with the Healthcare NCCoE team. Collect an input from the privacy team. Start the initial research on the project.
- Ransomware CSF Profile - concentrate on advocacy activities, especially RSA presentation. Take a pause on any new research activities for a while and assess the situation and possible gaps after the RSA.
- DevSecOps, Software Supply Chain Security, Labeling Programs and other applied cybersecurity examples in response to recent EOs. Discussed that this work, including projects scoping will need to be discussed after a follow on workshop/ activities planned for the end of Nov (Workshop on Cybersecurity Labeling Programs for Consumers). [Matt - could you please confirm the event since I could not find it on the ITL calendar?](#) Natalia will set up a touch base/ brainstorming discussion (Murugiah, Matt, Kevin, Curt, anyone else?) for mid-December.
- Cybersecurity of Bio Genomic Data - collect an input from the privacy team, and check with the team periodically, consider privacy protecting solutions.
- Cybersecurity Resources for Small Manufacturers - connect with the SMB group led by Nelson.
- Telehealth - Smart Home Integration - Matt and Murugiah suggested that the use of using home voice assistants in the build in a health care context will add complexity and might lead to many concerns. This part needs to be looked at again before finalizing the PD.
- ZTA - discuss lessons learned from the complex collaborators selection and team forming processes. Assess how those lessons can apply in the future.
- Any new PQC related initiatives - start looking on what additional cybersecurity concerns (besides crypto) should be considered at PQC world. Coordinate all research activities with Matt Scholl to avoid duplications. This topic has additional sensitivity around industry collaborators topic NIST might find appropriate to work with.

Please let me know if I've missed anything.

Best regards,

Natalia

-----Original Message-----

From: Souppaya, Murugiah P. (Fed) <murugiah.souppaya@nist.gov>
Sent: Tuesday, October 19, 2021 10:09 AM
To: Martin, Natalia G. (Fed) <natalia.martin@nist.gov>; Stine, Kevin M. (Fed) <kevin.stine@nist.gov>; Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov>; McBride, Tim (Fed) <timothy.mcbride@nist.gov>; Barker, William C. (Assoc) <william.barker@nist.gov>
Cc: Hastings, Nelson E. (Fed) <nelson.hastings@nist.gov>; Lefkovitz, Naomi B. (Fed) <naomi.lefkovitz@nist.gov>
Subject: Re: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

Hi Natalia,

Thanks, for sharing the slides. I am sorry I had to drop-off early. Here is the slide deck with my updates. Things have changed since we did our last project update submission.

Murugiah

From: Martin, Natalia G. (Fed) <natalia.martin@nist.gov>
Sent: Monday, October 18, 2021 10:02 PM
To: Stine, Kevin M. (Fed); Souppaya, Murugiah P. (Fed); Scholl, Matthew A. (Fed); McBride, Tim (Fed); Barker, William C. (Assoc)
Cc: Hastings, Nelson E. (Fed); Lefkovitz, Naomi B. (Fed)
Subject: RE: Quarterly NCCoE Steering Committee Meeting (end of FY 21)

Colleagues,

In preparation to our meeting tomorrow attached please find a slide deck with the end of FY 21 NCCoE portfolio report. Please note that I've flagged about 12 projects for us to look at and discuss more closely, however I'd be happy to address any questions you might have about other (unflagged) projects time permits.

Best regards,

Natalia

-----Original Appointment-----

From: Martin, Natalia G. (Fed)
Sent: Friday, August 27, 2021 12:46 PM
To: Martin, Natalia G. (Fed); Stine, Kevin M. (Fed); Souppaya, Murugiah P. (Fed); Scholl, Matthew A. (Fed); McBride, Tim (Fed); Barker, William C. (Assoc)
Cc: Hastings, Nelson E. (Fed); Lefkovitz, Naomi B. (Fed)
Subject: Quarterly NCCoE Steering Committee Meeting (end of FY 21)
When: Tuesday, October 19, 2021 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Colleagues,

End of Year activities took the toll – please accept my apologies for pushing this meeting forward.

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Agenda:

Review of the highlight for the end of FY 21 NCCoE projects' portfolio

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Microsoft Teams meeting

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