

NCCoE

Health IT Projects

COMMUNITY OF INTEREST UPDATE

April 26, 2016

Agenda

- NCCoE News
- Current projects
 - Securing the Wireless Medical Infusion Pump
 - Securing Electronic Health Records on Mobile Devices
- Future Projects
- Open Discussion

NCCoE Health IT out and about: upcoming planned conferences and events

#	Date	Organization	Description
1	March 23	AAMI: Association for the Advancement of Medical Instrumentation	CE-IT Community Town Hall: Medical Device CyberSecurity
2	April 14	ACCE: American College of Clinical Engineers	ACCE workshop: Overview of the NCCoE and the Health Sector. Update of the Infusion Pump Project
3	April 21	IHE-PCD: Integrating the Healthcare Enterprise-Patient Care Devices	Overview of the Healthcare Sector and a description of the infusion Pump Project
4	May 15-17	Archimedes	Archimedes Workshop on Medical Device Security, at University of Michigan
5	May 25	WEDI 25 th Annual Conference: Working group for Electronic Data Interchange	CISO Panel; Developing Cyber Incident Response for the New Threat Landscape http://www.wedi.org/forms/uploadFiles/72F4C00000005.filename.2016_WEDI25_Conference_Agenda4.pdf
6	May 25	WEDI 25 th Annual Conference: Working group for Electronic Data Interchange	NCCoE Case Studies; Securing Healthcare

Description and Status



Help health care delivery organizations (HDOs) understand risks and secure medical devices on an enterprise network

Focus on wireless infusion pumps as archetype of a medical device

*Federal Register Notice released
Finalizing industry participants in the project*

A link to the FRN announcement may be found here:
<https://www.federalregister.gov/articles/2016/01/25/2016-01344/national-cybersecurity-center-of-excellence-nccoe-wireless-medical-infusion-pumps-use-case-for-the>

# of LOI template requested / reached out	60
# of LOI template sent out	59
# of LOI received	18
# of CRADA signed by vendors	1

LOI received breakdown:

- monitoring tool
- secure app
- data cloud service
- identity and credential management software system (via mobile technology)
- communication service
- risk assessment
- network security
- pump vendors
- mobile device / wireless technologies
- data virtualization



Pump Vendors Status

- Six pump vendors showed interest
- One submitted LOI and signed the CRADA
- Five others are working with us in different stages

Description and Status

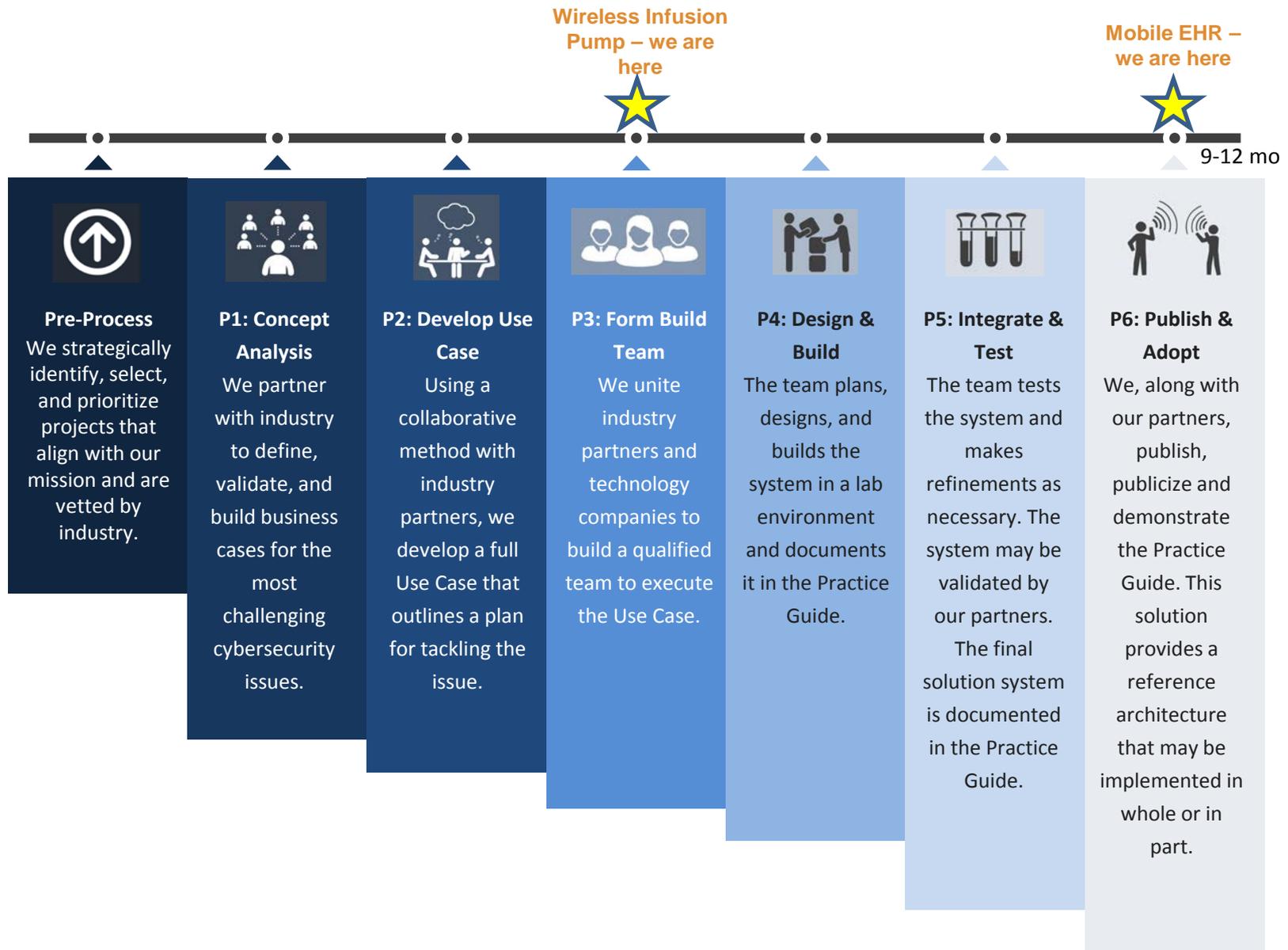
- A platform for health care providers to securely document, maintain, and exchange electronic patient information among mobile devices.
- NIST Cybersecurity Draft Practice Guide, Special Publication 1800-1
 - [SP 1800-1a: Executive Summary](#)
 - [SP 1800-1b: Approach, Architecture, and Security Characteristics](#)
 - [SP 1800-1c: How-To Guide](#)
 - [SP 1800-1d: Standards and Controls Mapping](#)
 - [SP 1800-1e: Risk Assessment and Outcomes](#)
- Currently preparing final Practice Guide for publication
 - Anticipated final publication date in July 2016
- Special thanks to our vendor team



Call to Action

- Opportunities for COI members:
 - Demonstration of solution for your organization
 - Solution feasibility discussions
 - Industry vendor/ integrator introductions
 - COI outreach support
 - Social media posts and draft informational emails available

*Is the NCCoE solution usable for your organization?
Either full or partial adoption, or for reference?
Why or why not?*



Project Concepts

- Secure messaging among providers
- Cyber threat intelligence and healthcare information sharing
- Single Sign On (SSO) for healthcare

Questions, Comments, Observations?

Thank you!

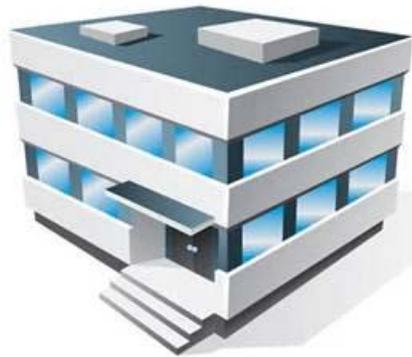
https://nccoe.nist.gov/projects/use_cases/medical_devices



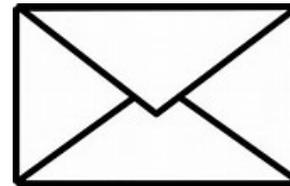
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Thank You