

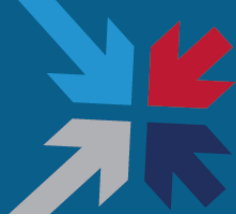


# NHIN Direct Project Implementation Group Meeting

August 24, 2010



# Agenda



- » Reminders

---

- » Discussion on Next Steps for Implementation Group Meeting

---

- » NHIN Direct August Face to Face Meeting Debrief

---

- » Workgroup Updates



---

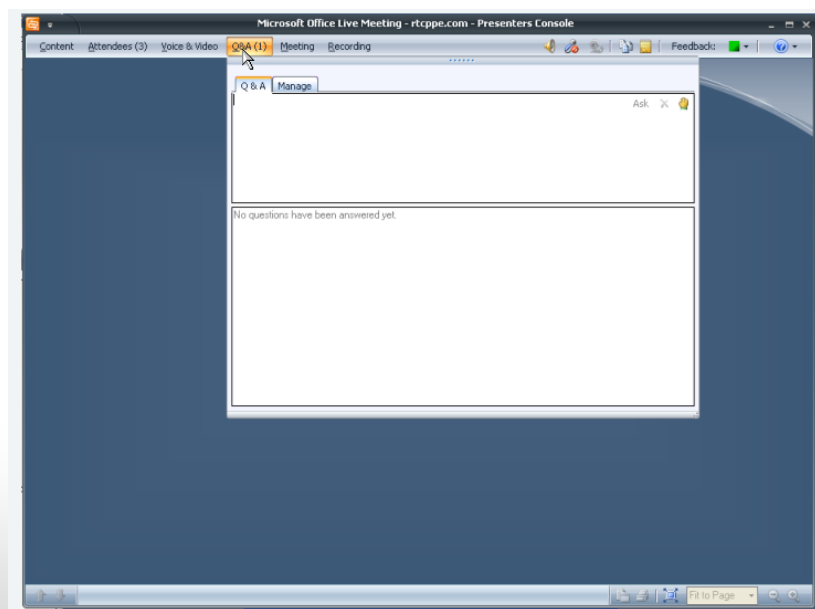
- » Calendar & Participation

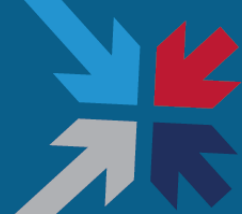
---

# Review of Participation



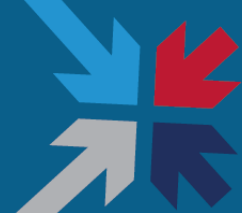
- » Use the Q&A text box function in the web conference to ask a question, or to signal an intent to speak
- » **To type a question**, please type questions into the Q&A text box and click 
- » **To vocalize a question**, please use the “raise your hand” function found in the upper right hand corner: 



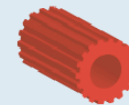


# Reminders

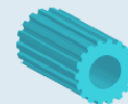
# What is the NHIN Direct Project?



A project to create the set of **standards** and **services** that with a **policy** framework enable simple, directed, routed, scalable transport over the Internet to be used for secure and meaningful exchange between known participants in support of meaningful use



**Services**



**Standards**

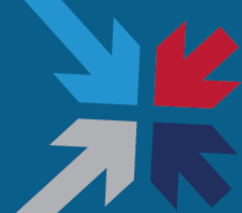


**Policies**



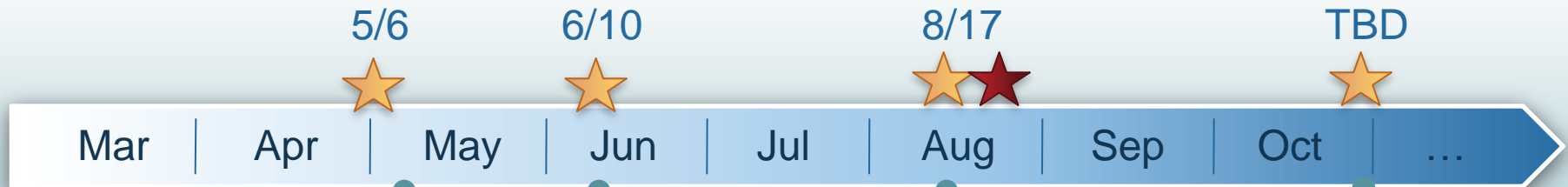
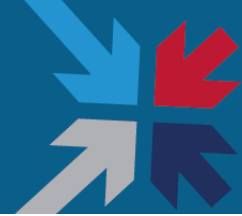
**Trust Fabric**

# Review of Workgroups



- » **Security & Trust WG:** Provide alternatives and highlight issues relating to security and trust enablement via technology (e.g., certificates and signatures)
- » **Implementation Geographies WG:** Provide a powerful demonstration of cross-state, cross organizational continuity of care
- » **Reference Implementation WG:** Create a solid open-source reference implementation and associated libraries implementing the NHIN Direct specifications.
- » **Documentation and Testing WG:** Create effective documentation and testing guidance for implementers including: Specification documentation, Implementation guides, and Conformance testing guides.
  - In addition, the Documentation and Testing Workgroup will create overviews for general consumption and work with the [Reference Implementation Workgroup](#) to create a testing service corresponding to the conformance testing guides.
- » **Communications WG:** The goal of the Communication workgroup is to provide clarity about what NHIN Direct is and how it fits into the health information and transformation ecosystem.
  - Key audiences include State HIEs, RECs, HIOs, health systems, providers, and the larger general health community and media.

# Review of Timeline



- First Draft Specifications:**
- Key User Stories
  - Content Container Spec
  - Security & Trust Spec
  - Comprehensive HIE Service Descrp.
  - Individual Involvement Service Descrp.
  - Addressing Spec
  - Abstract Model
  - Edge Spec
  - Deliverable: HISP-HISP & Source/Destination-HISP Service Description

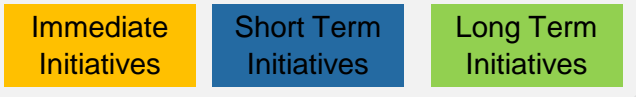
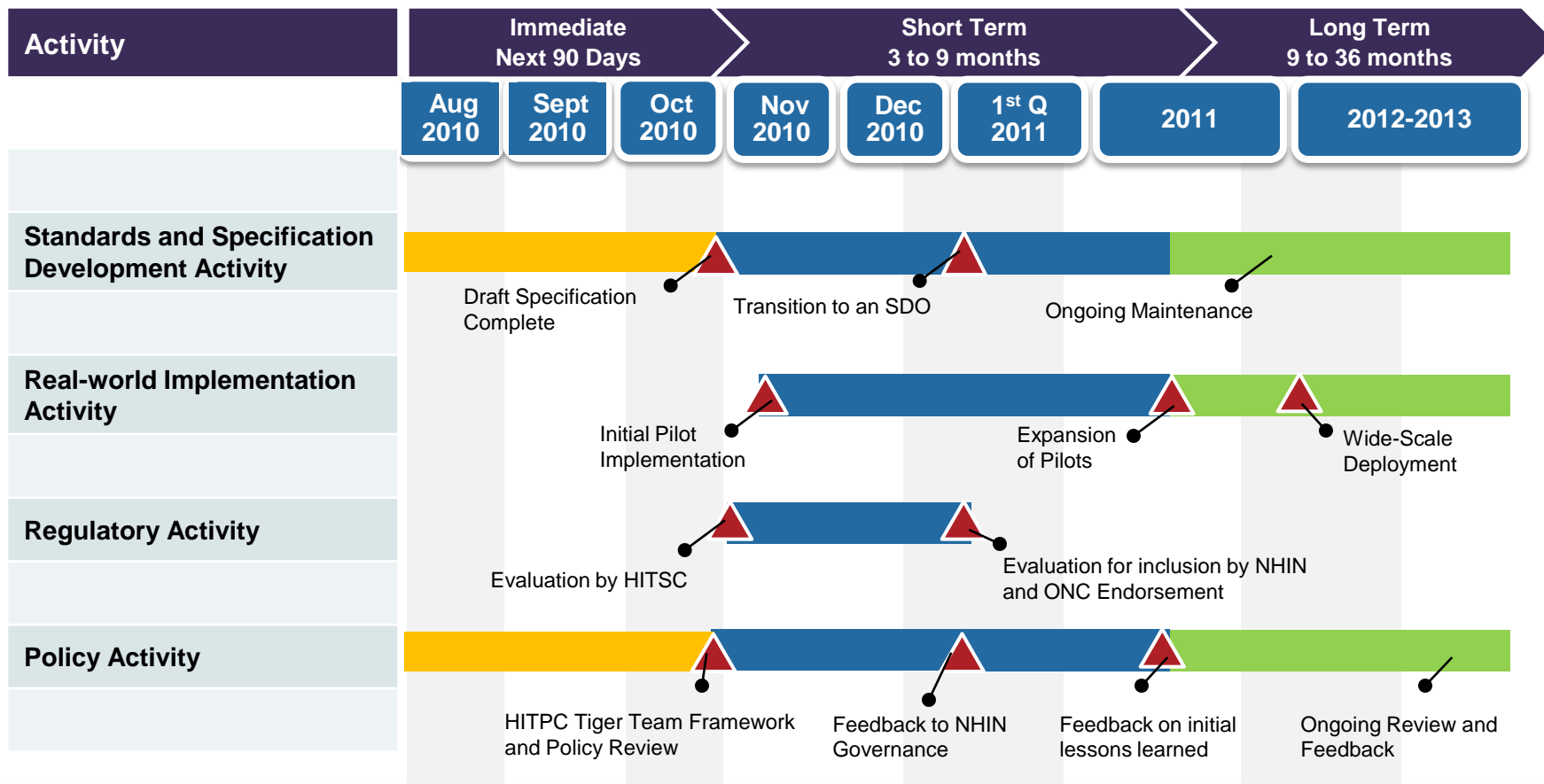
- 2nd Draft Specs**
- June
    - Early Ref Implementation
    - Core Specifications and Service Descriptions
    - Interaction Model/Service Orchestration Model
  - July
    - Ref Implementation
    - Testing Framework
    - Conformance Testing Scripts and Conformance Service
    - Ref Implementation Guides

- Ops/prod Draft Cert.
- Conformance Testing
- Core Messaging
- Policy Recommendation
- Process Recommendations

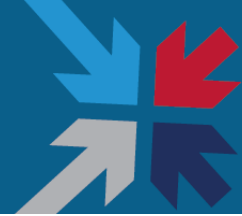
Weekly teleconferences

- Face to face meetings
- We Are Here

# NHIN Direct High-Level Project Plan

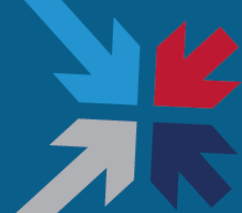




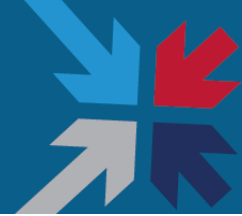


## Discussion on Next Steps for Implementation Group Meeting

# Discussion on Next Steps for Implementation Group Meeting

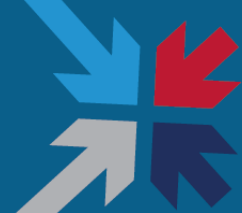


- » There's a need for better communication across workgroups.
- » How can we better structure the Implementation Group call to facilitate this?
  - More structure or less?
  - What's helpful and what's not?



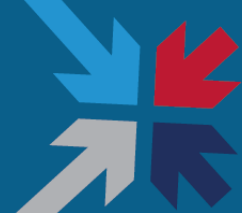
## NHIN Direct August Face to Face Meeting Debrief

# NHIN Direct August Face to Face Meeting Debrief

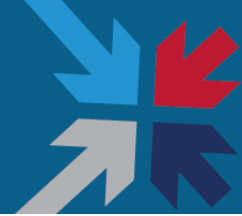


- » Thank you to all participants who were able to join.
- » Overall, a successful conference.
- » Significant progress made on code, documentation, planning and communications.
  - Code count increased by 33% on .NET side
  - Code count increased by about 30% on Java side
- » Good representation from EHR vendors, HIEs, and other stakeholders
  - Attendees: <http://nhindirect.org/NHIN+Direct+August+Face-to-Face+Meeting>

# NHIN Direct August Face to Face Key Takeaways

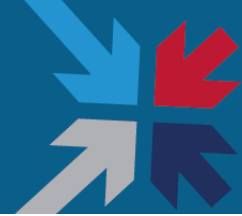


- » Dominoes for success:
  - 1) Solid, simple set of code
  - 2) Successful implementation in pilot projects
  - 3) Base interfaces are ubiquitously available for purchase
  - 4) Policy guidance around universal addressing
- » Need for:
  - Project management and code leadership for reference implementation
  - Better messaging for stakeholders (guidance around MU alignment)
  - Review of overall certificate process
  - Better communication across workgroups
  - Repository and collection process of best practices and lessons learned
- » Next Steps:
  - Planning for joint Connect/Direct Code-a-thon in September
  - Virtual sprint



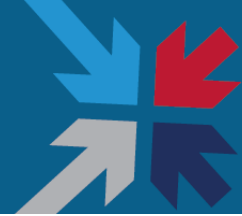
## Workgroup Updates

# Implementation Geographies Workgroup



- » Purpose is to plan for early implementations demonstrating real-world information exchange following existing care delivery patterns
- » Leader: Paul Tuten
- » Outcomes from Plan-a-Thon:
  - Emphasized need for enhanced communication with the Reference Implementation Workgroup
  - Discussed the following key issues:
    - Project management around reference implementation
    - Scalability and interoperability of pilots
    - Need messaging and marketing materials
  - Compiled a list of open items to be resolved
  - Highlighted need to create a lessons learned repository

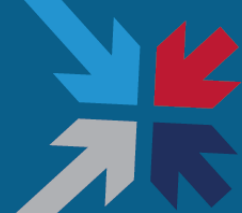
# Security and Trust Workgroup



- » Purpose is to provide alternatives and highlight issues relating to security and trust enablement via technology (e.g., certificates and signatures).
- » Leader: Sean Nolan
- » Key Deliverable: Security & Trust Threat Assessment Model
- » The WG is working on:
  - Harmonized threat model including simple SMTP and SMTP with full service HISPs
  - Certificate distribution with DNS vs. LDAP
  - Security considerations document
- » This past week the WG set action items to:
  - Review Security & Trust Threat Assessment Model

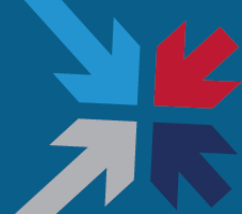


# Reference Implementation Workgroup



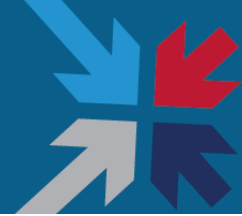
- » Purpose is to create a solid open-source reference implementation and associated libraries implementing the NHIN Direct specifications.
- » Leader: Brian Behlendorf
- » Outcomes from Code-a-Thon and 8/24 Meeting:
  - CSharp Implementation
    - Status: Core functionality is good for the pilots, nearing production quality
    - Remaining work: XDD (next week), DNS, config web/console UI, caching
    - Ready to begin conversation with Geographies WG
  - Java Implementation
    - Status: Agent piece 70-80% functional, key leaders managing coding
    - Remaining work: Security, packaging, DNS, waiting for XDD spec
  - Road Ahead
    - Virtual sprint: One-week endeavor to quickly on-board interested coders
    - August virtual Code-a-thon: Regional collocation
    - **September 21<sup>st</sup> & 22<sup>nd</sup>: F2F Code-a-thon: Rochester, Minnesota**

# Documentation and Testing Workgroup

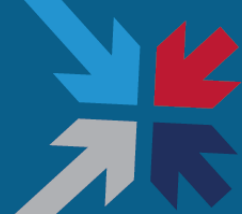


- » Purpose is to create effective documentation and testing guidance for implementers including: specification documentation, implementation guides, and conformance testing guides; Create overviews for general consumption and work with Reference Implementation WG to create a testing service corresponding to the conformance testing guides.
  
- » Do you have a documentation need? Let us know! (Be pushy.)
  
- » New strategy for progress forward
  - Step One: Line them up
  - Step Two: Knock them down
  
- » This coming week: NHIN Direct Overview – finish it up

# Communications Workgroup

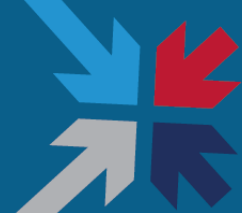


- » Purpose is to provide clarity about what NHIN Direct is and how it fits into the health information and transformation ecosystem. Key audiences include State HIEs, RECs, HIOs, health systems, providers, and the larger general health community and media.
- » Leader: Rich Elmore
- » Meeting time: Tuesdays, 1 – 2 pm EST
- » Priority Deliverables – Key Messages for:
  - States / HIEs
  - Health Systems / Individual Providers
  - HIT Vendors
- » Call for participants – If you would like to be part of this workgroup, please email [nhindirect@nhindirect.org](mailto:nhindirect@nhindirect.org).



## Calendar & Participation

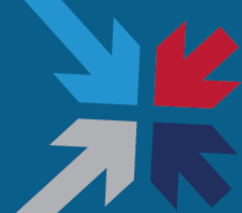
# New WG Schedule



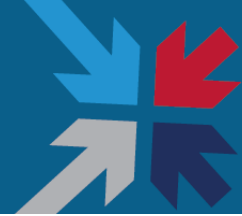
- » WGs adhere to the schedule below, meeting via teleconference on a weekly basis

WG	Meeting Time
Reference Implementation/Open Source WG	Tuesdays 12 pm-1pm EST
Implementation Geographies WG	Wednesdays 12 pm-1pm EST
Documentation and Testing WG	Wednesdays 2 pm- 3pm EST
Security & Trust WG	Thursdays 2pm-3pm EST
Communications WG	Tuesdays, 1 pm-2 pm EST

# Close to 200 Implementation Group Participants



- » Alere
- » Allscripts
- » American Academy of Family Physicians
- » Argonne National Laboratory
- » Atlas Development
- » Axolotl
- » CareSpark/MobileMD/Serendipity Health
- » Cautious Patient
- » Cerner
- » Clinical Groupware Collaborative
- » CSC
- » eClinicalWorks
- » EHR Doctors
- » Emdeon
- » FEI
- » GE
- » Google
- » Greenway Medical Technologies
- » Harris Corporation,
- » High Pine Associates
- » HLN Consulting
- » ICA,
- » Inpriva
- » Intel
- » Kryptiq
- » LabCorp
- » Massachusetts eHealth Collaborative
- » MedAllies
- » Medical University of SC,
- » Medicity
- » MedNet
- » MedPlus/Quest Diagnostics
- » Microsoft
- » Mirth Corporation
- » Nationwide Health Information Technology
- » NIH NCI
- » NIST
- » NYC Dept. of Health and Mental Hygiene's PCIP
- » Oregon HIE Planning Team
- » Redwood MedNet
- » RelayHealth
- » Secure Exchange Solutions
- » Siemens
- » South Carolina SDE
- » SureScripts
- » Techsant Technologies
- » TN State HIE
- » VA
- » VisionShare



## Q&A