



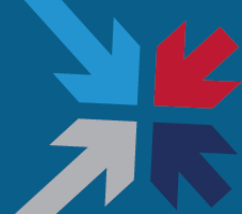
## NHIN Direct Project

### Implementation Group Meeting

September 7, 2010



# Agenda



» Reminders

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» Workgroup Updates



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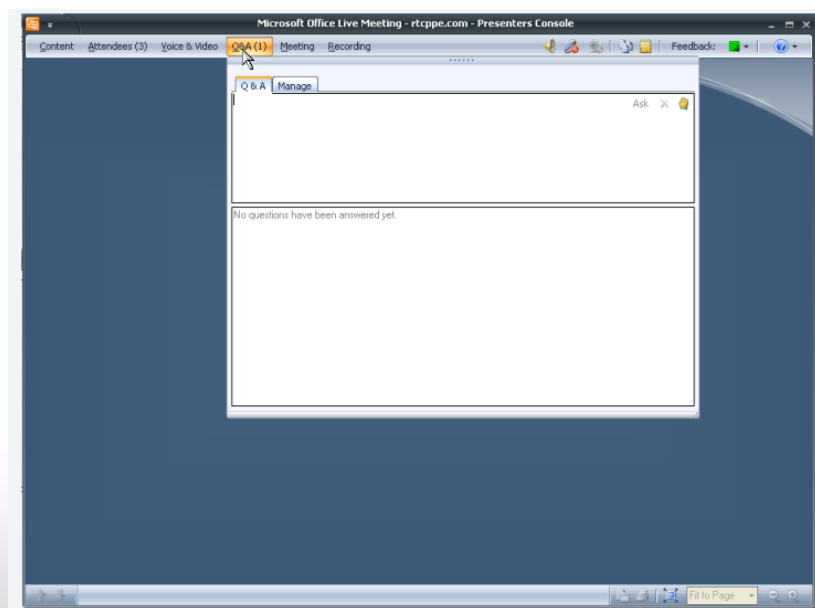
» Calendar & Participation

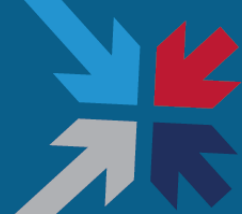
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# Review of Participation



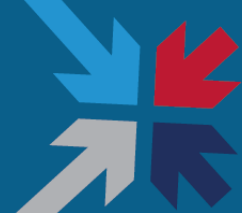
- » Use the Q&A text box function in the web conference to ask a question, or to signal an intent to speak
- » **To type a question**, please type questions into the Q&A text box and click 
- » **To vocalize a question**, please use the “raise your hand” function found in the upper right hand corner: 





# Reminders

# 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

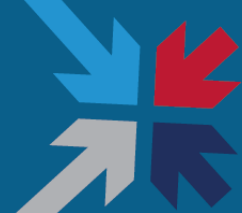
- 2nd Draft Specs**
- June
    - Early Ref Implementation
    - Core Specifications and Service Descriptions
    - Interaction Model/Service Orchestration Model
  - July
    - Ref Implementation
    - Testing Framework
    - Conformance Testing Scripts and Conformance Service
    - Ref Implementation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

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

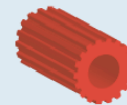
Weekly teleconferences

- Face to face meetings
- We Are Here

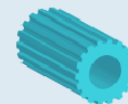
# What is the NHIN Direct Project?



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**

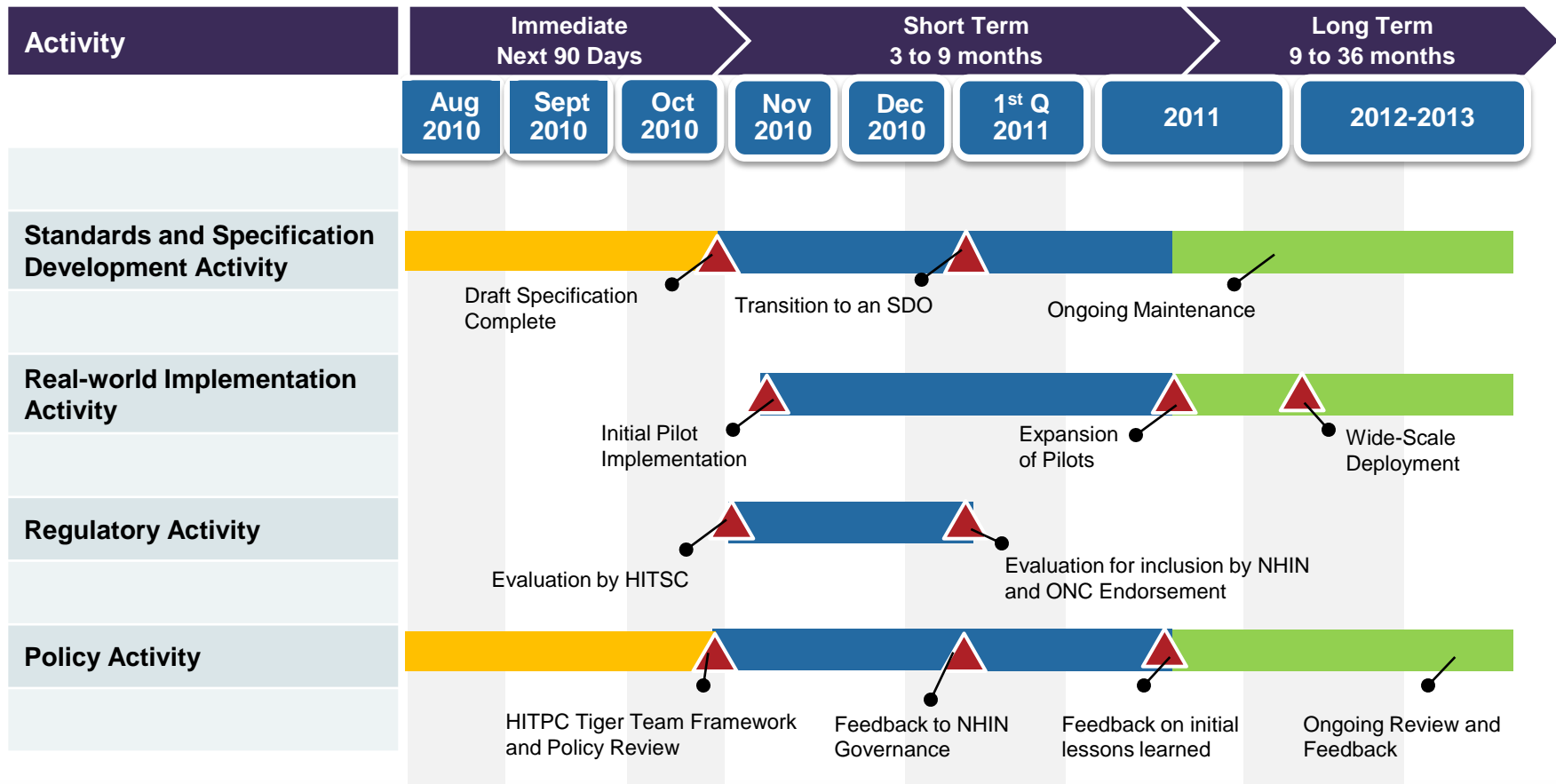
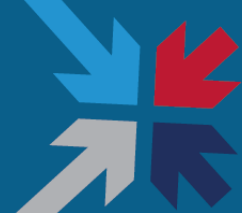


**Policies**



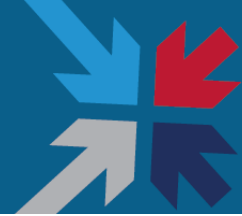
**Trust Fabric**

# NHIN Direct High-Level Project Plan



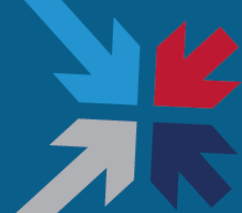
Immediate Initiatives
Short Term Initiatives
Long Term Initiatives



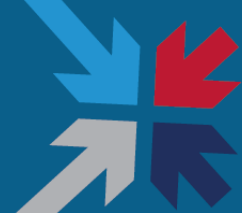


## Workgroup Updates

# Implementation Geographies Workgroup

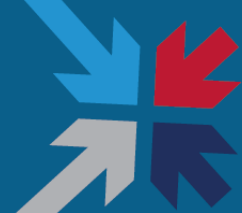


- » Purpose is to plan for early implementations demonstrating real-world information exchange following existing care delivery patterns
- » Leader: Paul Tuten
- » Updates from 9/1 Meeting:
  - The WG reached consensus on how to address “radio-silent” pilots
  - The pilot projects are working on more detailed planning and discussing specific issues as they arise
    - Rhode Island Quality Institute has posted their current task-list
    - CareSpark is engaged in data modeling for their pilot
  - The following cross-walks are being populated:
    - Pilots X User Stories - *Nearly Complete*
    - Pilots X Meaningful Use Criteria - *Half Complete*
    - Pilots X IT Vendors - *Mostly Incomplete*
  - All IG members should contribute to the Resource and Collaboration Matrix: <http://nhindirect.org/Resource+and+Collaboration+Needs+for+Pilot+Projects>

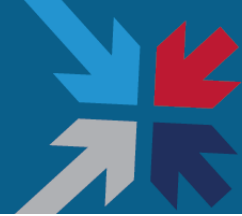


- » Purpose is to provide alternatives and highlight issues relating to security and trust enablement via technology (e.g., certificates and signatures)
- » Leader: Sean Nolan
- » Key Deliverable: Security & Trust Threat Assessment Model
- » Update from 9/2 Meeting:
  - The WG conducted a final review of the following:
    - [Threat Model – SMTP with Full Service HISPs](#)
    - [Threat Model – Simple SMTP](#)
  - Given the need for edits, the WG will move to consensus this week
    - Risks for [Arc 1](#) & [Arc 12](#) of the Full Service HISPs threat model (above)
  - The WG reviewed a proposed statement on certificate distribution
    - Located in the [Content Security for Simple Health Transport](#) spec
    - Ask each pilot to determine what approach best meets their needs
    - Post-pilot, this specification will be edited to include a default option

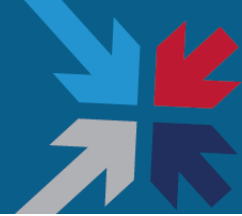
# Reference Implementation Workgroup



- » Purpose is to create a solid open-source reference implementation and associated libraries implementing the NHIN Direct specifications
- » Leader: Brian Behlendorf
- » Update from 9/7 Meeting:
  - Completed architecture review last Thursday
  - CSharp Implementation
    - Status: Progress on Caching Side, Documentation
    - Remaining work: XD\* Side, Chain Builder, Unit Testing, Documentation
  - Java Implementation
    - Status: Progress on XDR Side, Apache James, Clover Coverage Report
    - Remaining work: Agent, Config UI, XDD Side, Unit Testing, Documentation
  - Upcoming:
    - Key Milestone: Reach feature-ready state for implementation geographies
    - Each team is creating a key tasks “hit-list” for reaching code-complete
    - **September 21<sup>st</sup> & 22<sup>nd</sup>: F2F Code-a-thon: Rochester, Minnesota**

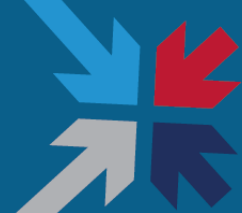


- » Purpose is to create effective documentation and testing guidance for implementers including: specification documentation, implementation guides, and conformance testing guides; Create overviews for general consumption and work with Reference Implementation WG to create a testing service corresponding to the conformance testing guides.
- » Do you have a documentation need? Let us know! (Be pushy.)
- » Call for Consensus! You have one more day!  
<http://nhindirect.org/NHIN+Direct+Overview+Call+for+Consensus>
- » This past week:
  - S/MIME Specification – In progress
  - XDD ← laying the groundwork
  - Policy Questions
- » Upcoming: S/MIME, Security documents

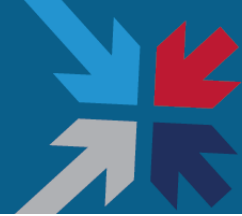


- » Purpose is to provide clarity about what NHIN Direct is and how it fits into the health information and transformation ecosystem. Key audiences include State HIEs, RECs, HIOs, health systems, providers, and the larger general health community and media.
- » Leader: Rich Elmore
- » Focusing on compact PPT for:
  - NHIN Direct Overview
  - States / HIEs
  - Health Systems / Individual Providers
  - HIT Vendors
- » Upcoming: Factsheet / Pamphlet

# NHIN Direct Best Practices Workgroup



- » **NEW:** Creating a NHIN Direct Best Practices Workgroup
- » Purpose: Take recommendations of the Privacy and Security Tiger Team and create a specific set of policy recommendations for the pilots, and during and subsequent to the pilots, monitor the policies to determine how effective and workable they are in the real world.
- » Such recommendations may include further specifics on:
  - 1) Certificate authorities, provider identity assurance, and provider authorization
  - 2) Individual (patient) identity assurance and authorization
  - 3) Security, security auditing, logging and audit trails, etc.
  - 4) Redress and remediation
  - 5) Disclosure notification
- » Meeting Time: Thursdays, 1 – 2 pm EST
- » Please email [nhindirect@nhindirect.org](mailto:nhindirect@nhindirect.org) if you would like to participate in this workgroup.



## Calendar & Participation



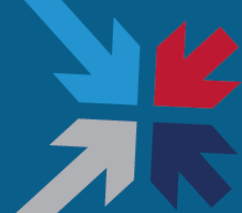
# New WG Schedule



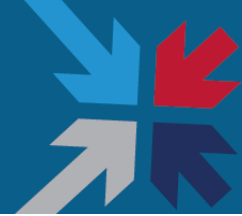
- » WGs adhere to the schedule below, meeting via teleconference on a weekly basis

WG	Meeting Time
Reference Implementation/Open Source WG	Tuesdays 12 pm – 1 pm EST
Implementation Geographies WG	Wednesdays 12 pm – 1 pm EST
Documentation and Testing WG	Wednesdays 2 pm – 3 pm EST
Security & Trust WG	Thursdays 2 pm – 3 pm EST
Communications WG	Tuesdays, 1 pm – 2 pm EST
Best Practices WG	Thursdays, 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
- » MOSS
- » Nationwide Health Information Technology
- » NIH NCI
- » NIST
- » NYC Dept. of Health and Mental Hygiene's PCIP
- » Oregon HIE Planning Team
- » Redwood MedNet
- » RelayHealth
- » Rhode Island Quality Institute
- » Secure Exchange Solutions
- » Siemens
- » South Carolina SDE
- » SureScripts
- » Techsant Technologies
- » TN State HIE
- » VA
- » VisionShare



## Q&A