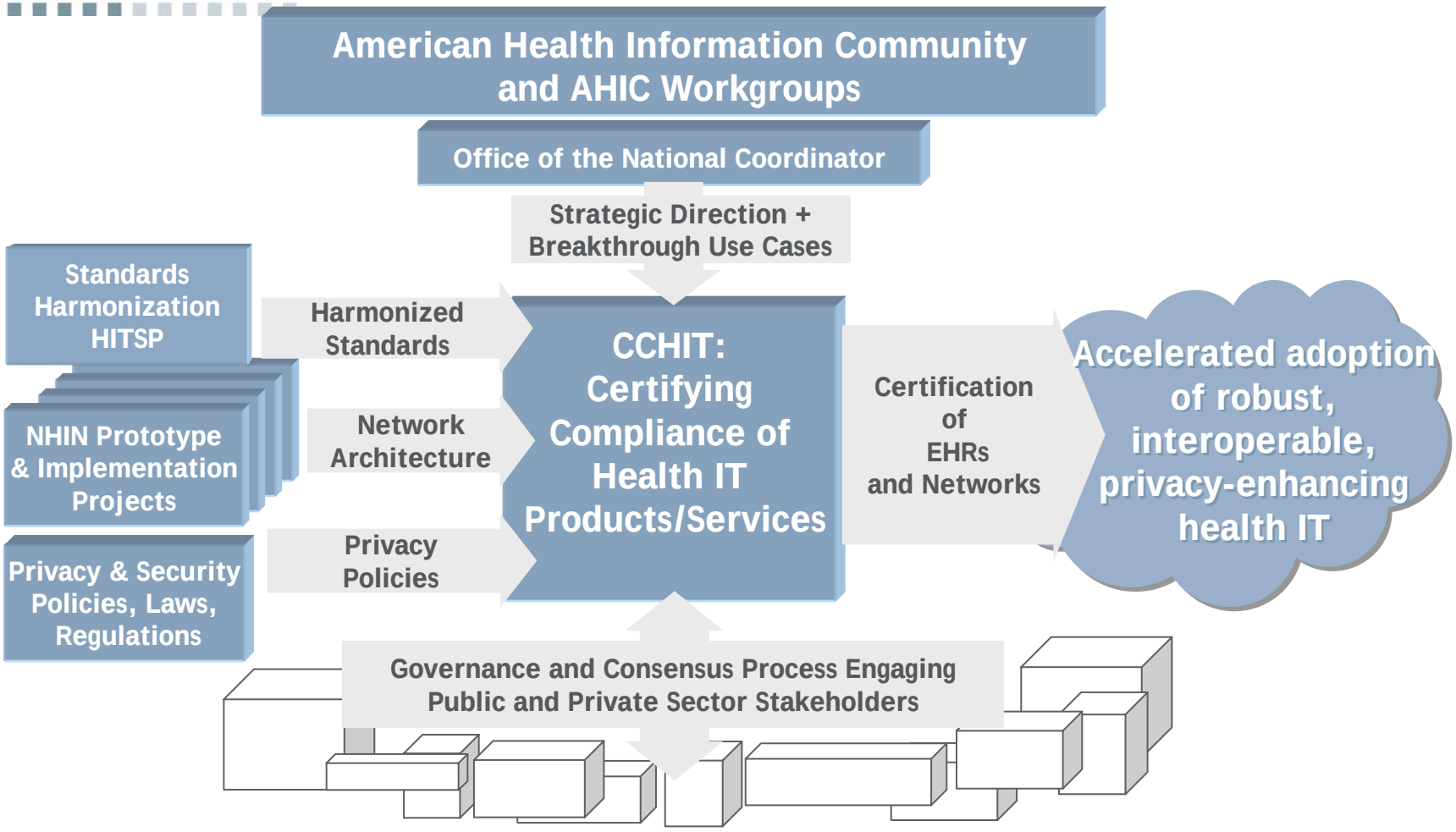
Mission

CCHIT is an independent, nonprofit organization with the mission of accelerating the adoption of robust, interoperable health IT by creating an efficient, credible certification process

Four Goals of Certification

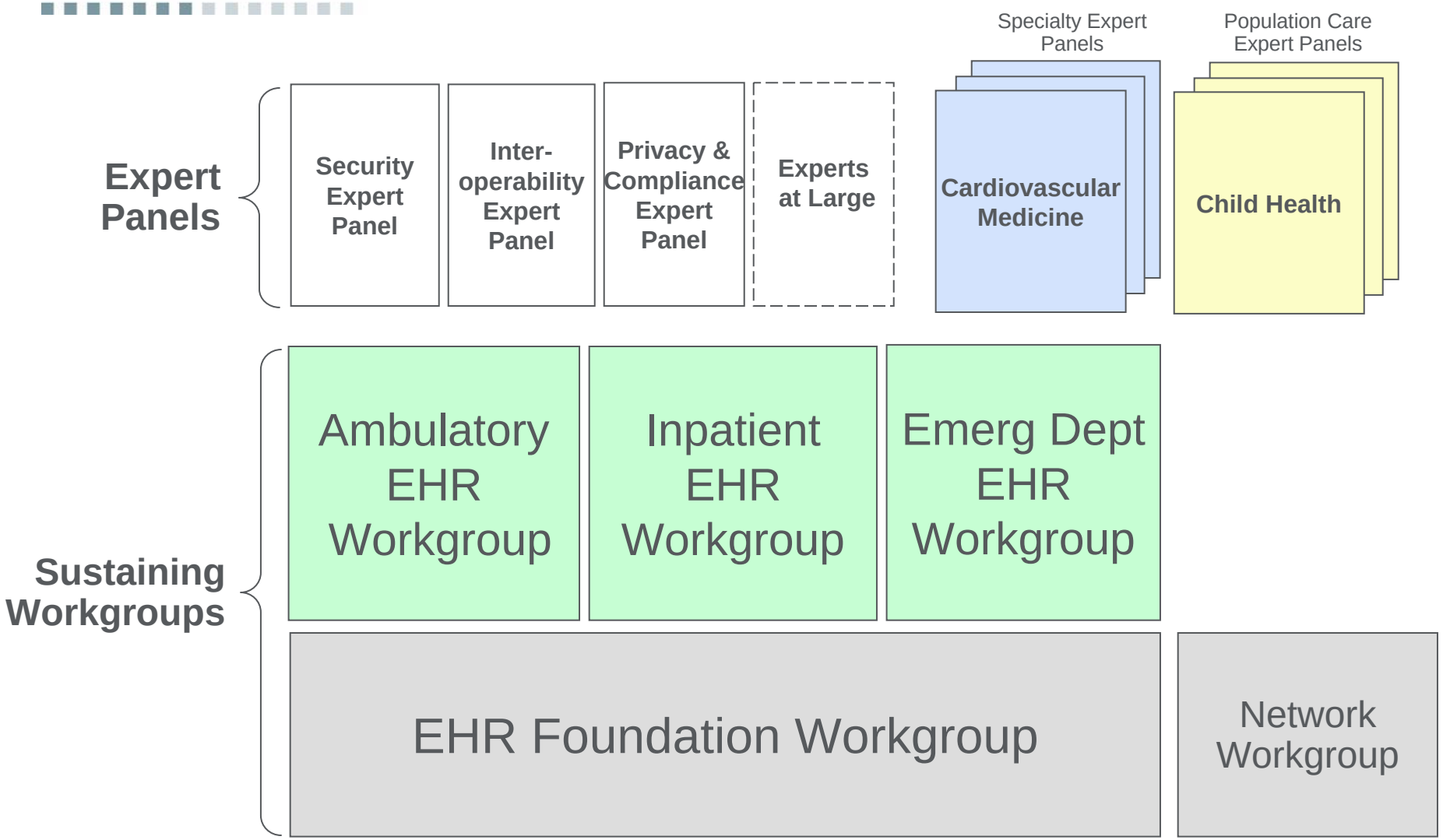
- Reduce the risks of investing in health IT
- Facilitate interoperability of EHRs and health information exchange networks
- Enhance availability of adoption incentives and regulatory relief
- Ensure that the privacy of personal health information is protected

CCHIT's Role within the Broader Health IT Strategy

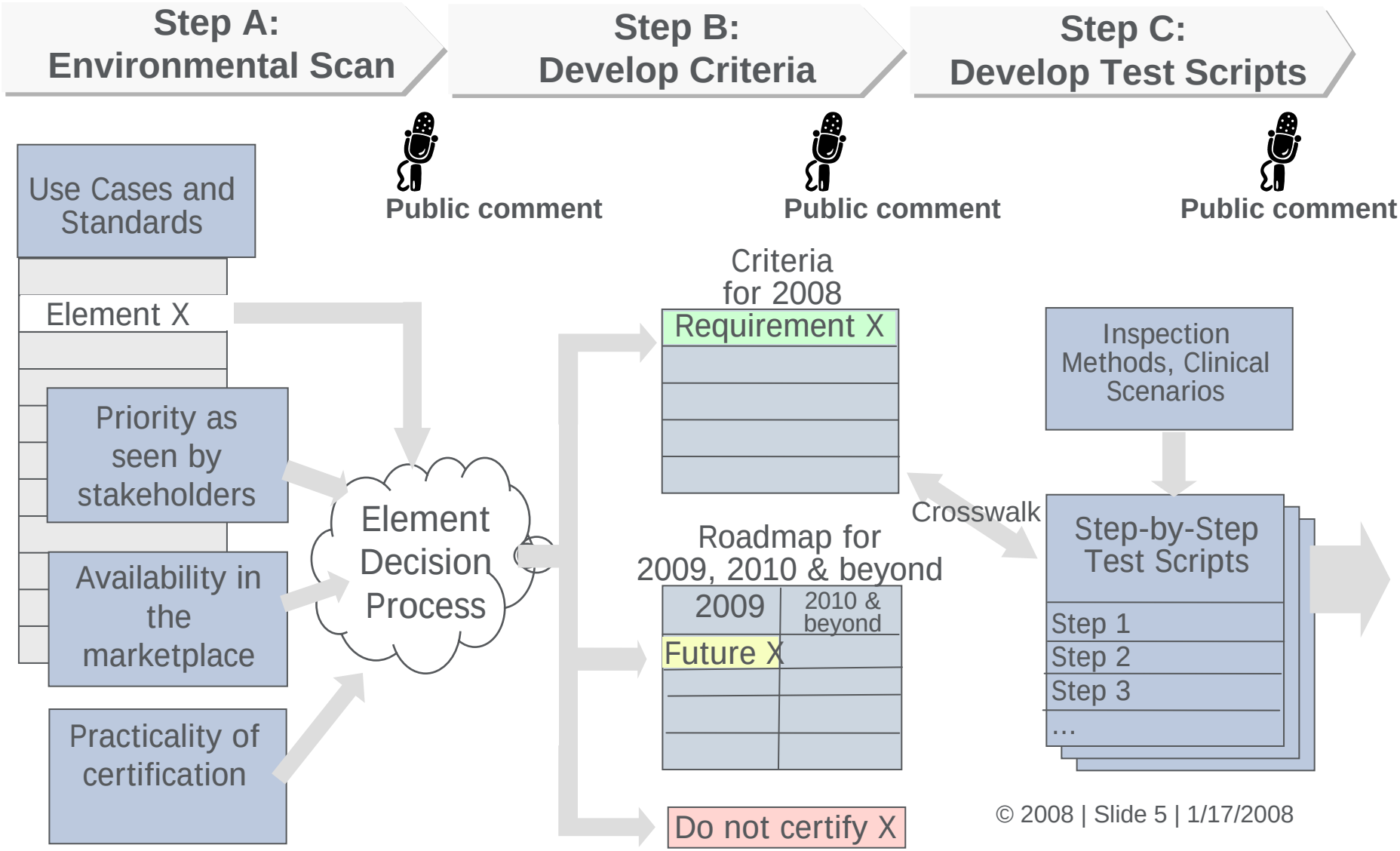


Certification is a voluntary, market-based mechanism to accelerate the adoption of standards and interoperability

Workgroup Organization



Development Process



Development Process

Step D: Pilot Test → **Step E: Finalization** → **Launch Certification Program**

Public comment

Call for Pilot Participation

Selection of Participants

Conduct Pilot Tests

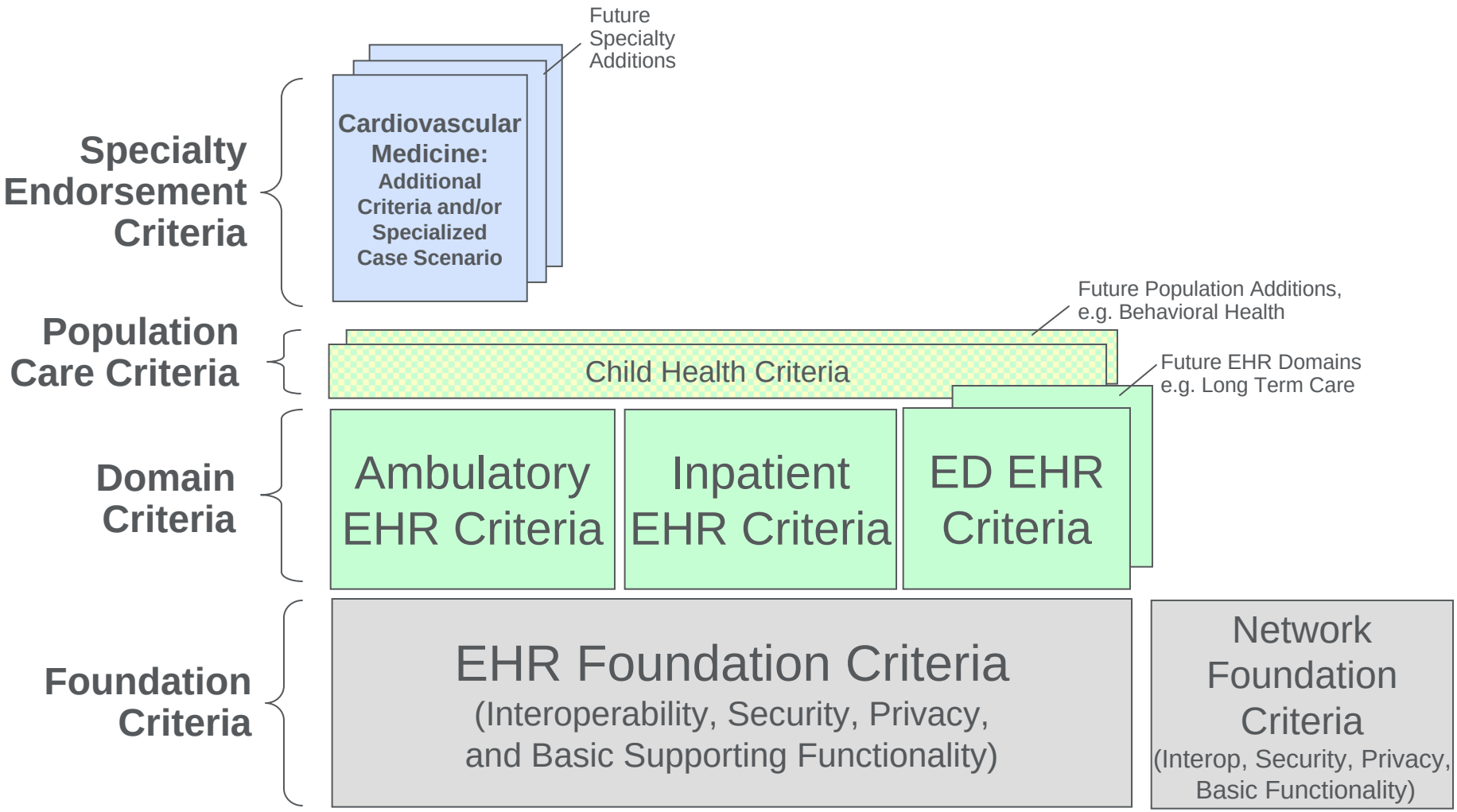
Refine Test Process and Scripts as Needed

Publish:
- Proposed Final Criteria
- Proposed Final Scripts
- Pilot Results

- Make necessary refinements

Publish:
- Final Criteria
- Final Test Scripts
- Additional Guidance Materials

Modular Certification Structure



CCHIT Security Overview

- Security Categories:
  - Access Control
  - Authentication
  - Audit
  - Technical Services
  - Backup and Recovery
  - Documentation

Security & Reliability Criteria

Categories	Number of Criteria												Total
	1	2	3	4	5	6	7	8	9	10	11	12	
Access Control	S1	S2	S3	S4									4
Audit	S 5.2	S6	S7	S 8.1	S 8.2	S9	S 11						7
Authentication	S12	S13	S14	S15	S16.1	S16.2	S17	S18	S19	S20	S21	S22	12
Technical Services	S24	S25	S26	S27	S28	S29							6
Security Documentation	S23												1
Backup & Recovery	R1	R2	R3										3
Reliability Documentation	R5	R6	R7	R9	R10	R11	R12	R13	14	R16	R17		11
Total													44

Criteria to Test Script Mapping

Security - 2007 Final Criteria
Mar 16 2007
Test Script Mapping

Line #	Category and Description	Specific Criteria	Test Scripts Mapped
S1	Security: Access Control	The system shall enforce the most restrictive set of rights/privileges or accesses needed by users/groups (e.g. System Administration, Clerical, Nurse, Doctor, etc.), or processes acting on behalf of users, for the performance of specified tasks.	5.14, 5.15, 5.21, 5.24
S2		The system shall provide the ability for authorized administrators to assign restrictions or privileges to users/groups.	5.19

Network Work Group

- 20 members
  - 9 HIEs
  - ONC
  - 3 Vendors
  - 7 Others
    - CDC, lab, state organizations, legal, industry experts
  - 6 at this meeting
- 25 Full Work Group Calls
  - 5 Subgroups for criteria development
  - 4 Subgroups for testing scenarios and methods
- Extensive coordination with Security, Privacy, and Interoperability Expert Panels

Status of Network Certification Development

- Environmental Scan
  - Published
  - Comments received
- 1st Draft of Criteria
  - Published
  - Comments received on December 22nd
- Test Scripts
  - Under development
  - Second phase will be formal scripts
- Alpha Test
- PilotTest

Challenges of Network Certification

- Variability in HIEs
  - Services provided
  - Systems used
- State of the market
  - Early development
  - Financially constrained
  - In motion
- Requires testing of operational systems
  - Must accommodate different implementations
  - Must be practical within the HIE environment

Focus of 2008 Core Criteria

- Security
  - Transit
  - Non-repudiation
  - Audit logging
  - System authentication
  - Perimeter protection
  - Deactivation of users
  - Break the glass
- Total Criteria – 33
- Perimeter protection is not covered in other CCHIT security criteria

Focus of 2008 Modular Criteria

- Lab messaging as specified by HITSP
  - Must be capable of sending compliant messages
  - Not all messages must be compliant
  - 6 criteria
- CCD messaging
  - Must be capable of sending compliant messages
  - 1 criteria
- Query
  - Must be able to receive a query, retrieve data, and send response
  - 4 criteria

Network Certification Overview of Changes

- Certification Structure
  - Core
  - 1 or more transaction
  - Query is an optional module

- Launch date for Network Certification
  - October 2008

Challenges of Testing

- Operational environment
- Trade offs of security approach
  - Documentation review
  - Physical testing
- Use of Laika tool for transaction testing
- Test script development is still underway

Upcoming Network Activities

- Market survey in January
- Participation in NHIN Collaborative Work Groups
- Development of testing methods, scenarios, and scripts

CCHIT Contact

www.CCHIT.org