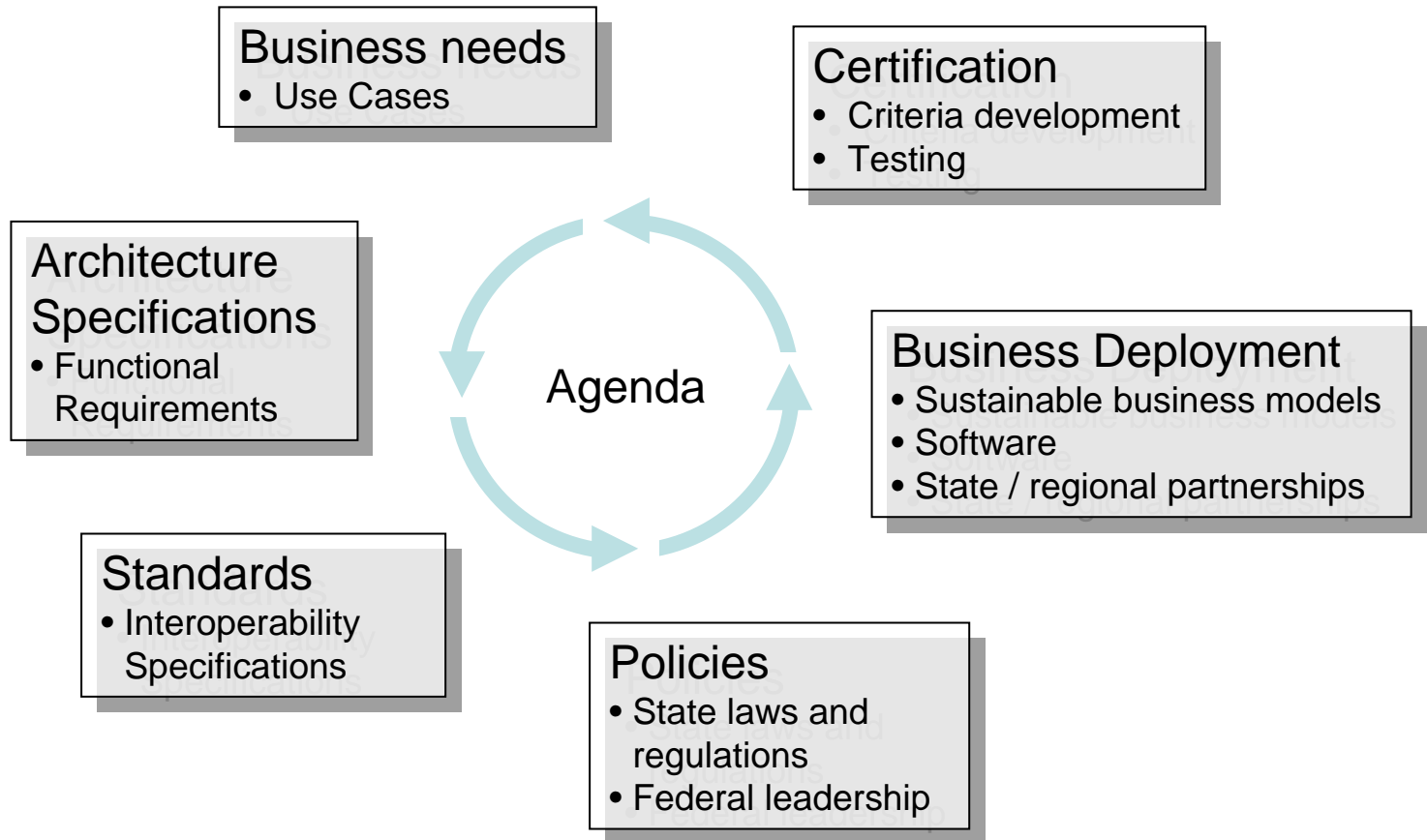




# ***National HIT Agenda and HIE - 2007***

John W. Loonsk, M.D.  
Director of Interoperability and Standards  
Office of the National Coordinator  
Department of Health and Human Services

# The National Health IT Agenda



# American Health Information Community

## Current Working Groups

- Consumer Empowerment
- Chronic Care
- EHR
- Biosurveillance
  
- Confidentiality, Privacy and Security
- Quality
- Personalized Medicine

# HIT for Disaster Preparedness and Response

## Functional needs

- Situational awareness
- Response management
- Emergency communications
  
- Emergency care
  - Accessing patient information in unusual care environments
  - Recording care provided
  - Authentication, authorization and credentialing of providers

# Architecture - NHIN

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES  
NATIONAL HEALTH INFORMATION STANDARDS BOARD

- Third public forum January 25-26 at Grand Hyatt in Washington
- Demonstration of software prototypes that validate architectures
- Discussion of business models for health information exchange
- Presentation at American Health Information Community as well

# Health Information Technology Standards Panel



# Policy Levers and Efforts

Health Information Security and Privacy Collaboration  
State Alliance for Health Information Technology  
Executive Order

- Transparency and standards
- Standards in federal systems and contracts

Stark / Anti-kickback regulations

- Final regulations: Exceptions to the Physician Self-Referral Law (*Stark*) and safe harbors to the Anti-Kickback Statute for e-prescribing and EHRs.
  - Aug. 1, 2006 – Published
  - Oct. 10, 2006 – Effective
- e-Prescribing Provisions
- EHR Provisions



# Certification Commission for Health Information Technology

- Functionality
- Security
- Interoperability
  - Interoperability Specifications
  - Conformance testing
- Ambulatory Care – 2006
  - 39 ambulatory care EHR's certified
- Inpatient – 2007
  - Specialty EHR's
- Networks - 2008

# Nationwide Health Information Network Initiative

## From the President's HIT Agenda:

- ...foster widely available services that facilitate the accurate, appropriate, timely, and secure exchange of health information
- ...information that follows the consumer and supports clinical decision making

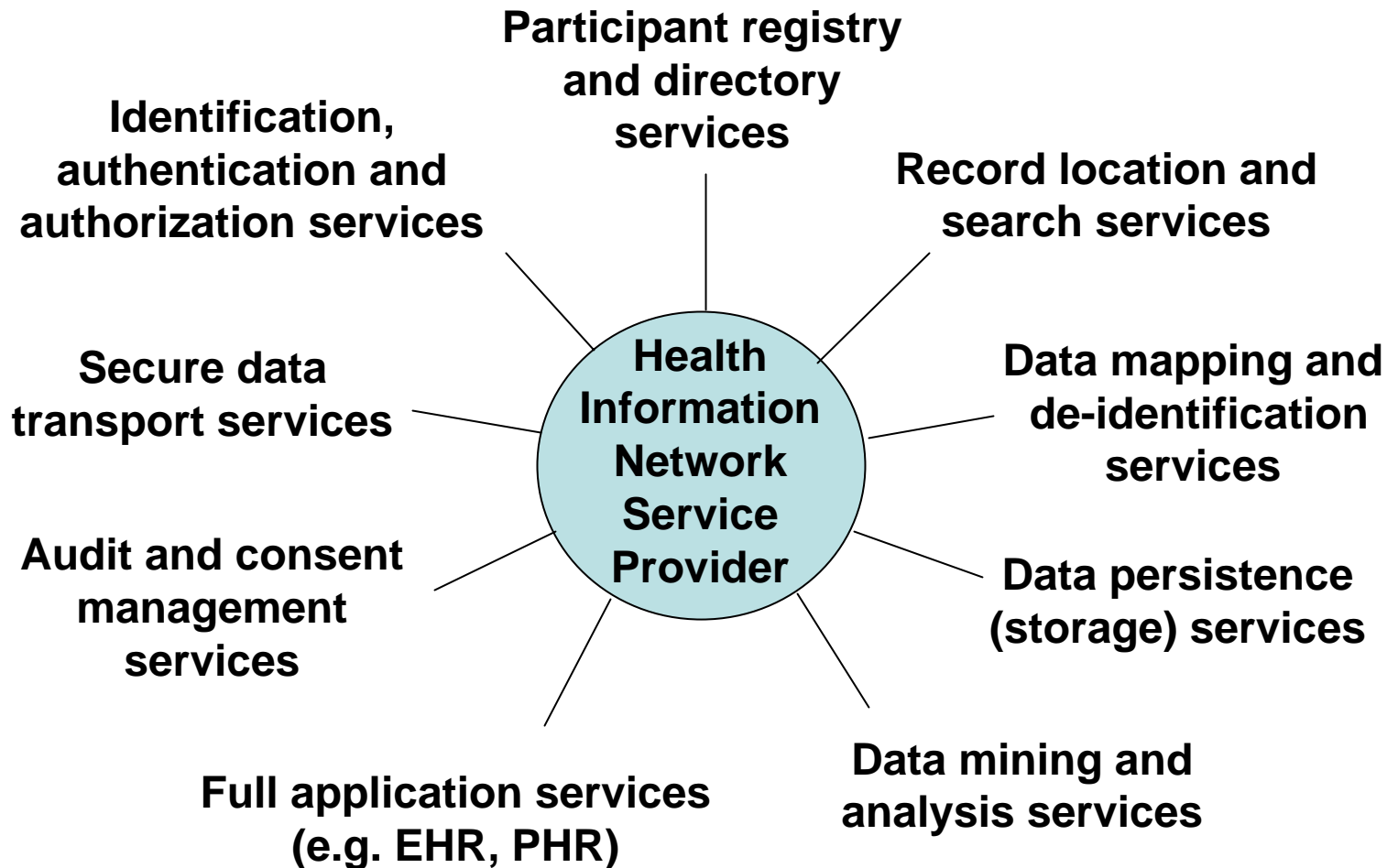
# Current Landscape - Health Networks

- Many efforts to improve regional cooperation
  - Most have not yet achieved significant data sharing
  - Successes built on trust and regional business goals
- Some efforts are duplicative and not compatible
  - unique regional solutions impede commercial market for technology and services
  - different efforts to solve common problems of architecture, standards and functionality
  - non-regional health care stakeholders must develop individual approaches to work with each region
  - limited ability to address interoperation between regional networks
- Without progress soon the challenge of inter-exchange interoperability will rise

# Need a Common Nationwide Architecture

- Network of networks
  - Connect:
    - Providers (EHR's)
    - Consumers (PHR's)
    - Networks oriented to specific functions
  - Supported by network service providers
- Coordinate state, regional, and commercial efforts
- Ensure that regional efforts invest in approaches that also meet national objectives

# Health Information Service Providers



## Select Products from 2006 NHIN - “Prototype Architectures”

- Functional requirements
- Security models
- Business models
- Public input
- Software implementations

# Architectures and Issues

- Data persistence to support clinical decision making
- Propagation of consumer access preferences
- Auditing needs of inter-organizational exchange
- Coordinating directories of providers to support authentication, access and audit activities
- Authenticating providers who do not have EHR's
- Matching patient data without a national identifier – push and pull
- Identity resolution between HISP's
- Document based and data based approaches

# NHIN 2007 - Trial Implementations

- Directly engage state and regional health exchange efforts
- Further develop health information network service providers and service partnerships
- Focus on connections between networks and systems (standard interfaces, processes...)
  1. Other health information network service providers
  2. EHR's and PHR's
  3. Government systems (e.g. VA / DOD, state biosurveillance, vital statistics)
  4. Special function networks
- Develop testing approaches for network service interoperability

# Electronic “Testing Harness to Support the Agenda

- National agenda testing needs
  - Inspection testing of Interoperability Specifications
  - Implementation testing
  - Self testing of systems and products as they are developed
  - Pre-certification testing
  - Third party certification testing
- Complexities
  - Many organizations involved
    - in situ
    - security issues
    - concurrent participation
  - Accelerating the process
- “Testing harness”
  - IHE like efforts
  - Virtual environment
  - Simulation