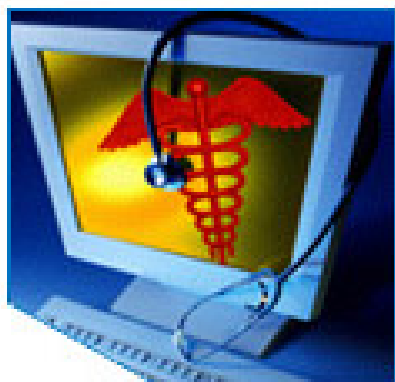


# HITSP Security and Privacy Work Group Requirements, Design and Standards Selection (RDSS) Town Hall Meeting

Joyce Sensmeier MS, RN-BC, CPHIMS, FHIMSS  
Vice President, Informatics, HIMSS

Johnathan Coleman, CISM, CISSP  
Principal, Security Risk Solutions, Inc.  
HITSP Security and Privacy Technical Committee Facilitator

April 19, 2007

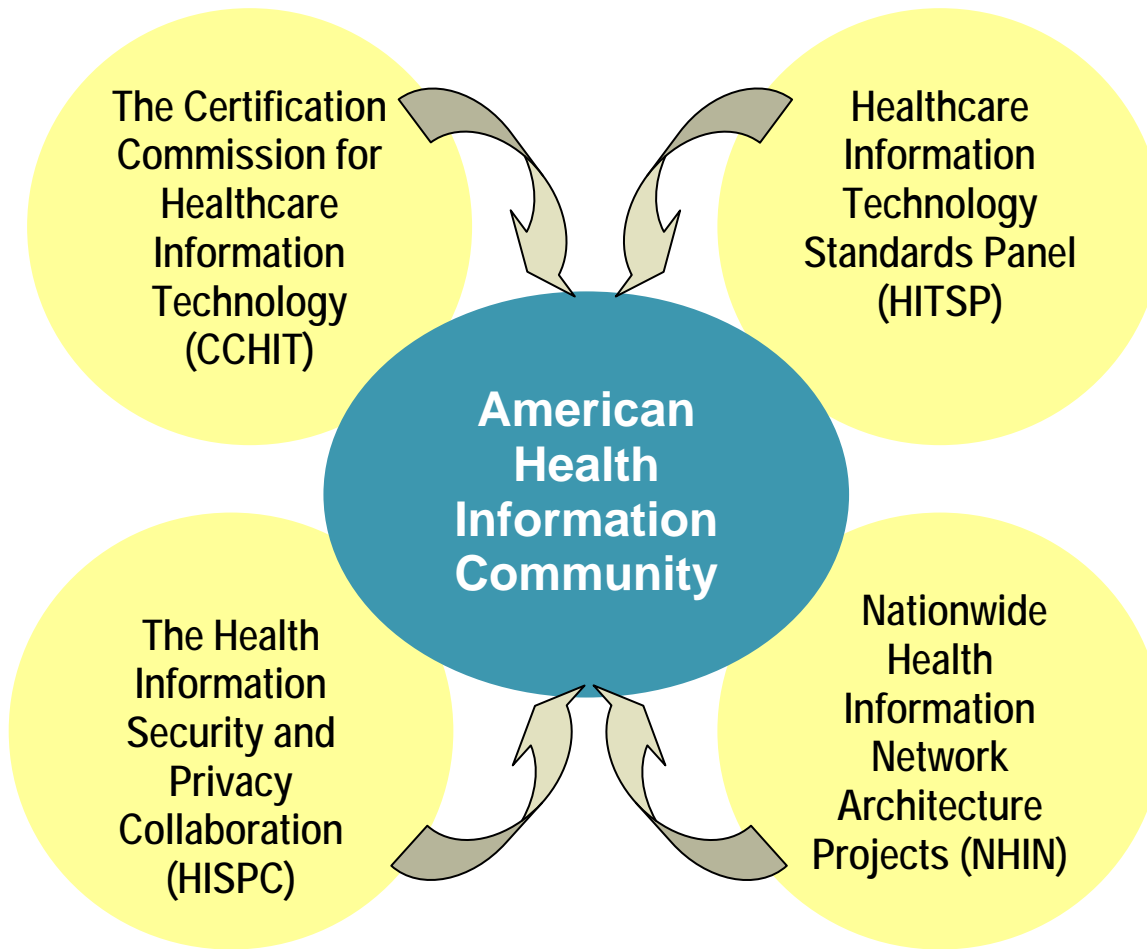


# Agenda

1. Relationship between HITSP, HISPC and CCHIT
2. HITSP Charter and Goals
3. Harmonization Process
4. Current Status of HITSP Security and Privacy Activities
5. HITSP Security and Privacy Constructs under Consideration
6. Security and Privacy RDSS Document Review
7. Contact Information



# A public-private “Community” was then established to serve as the focal point for America’s health information concerns and drive opportunities for increasing interoperability



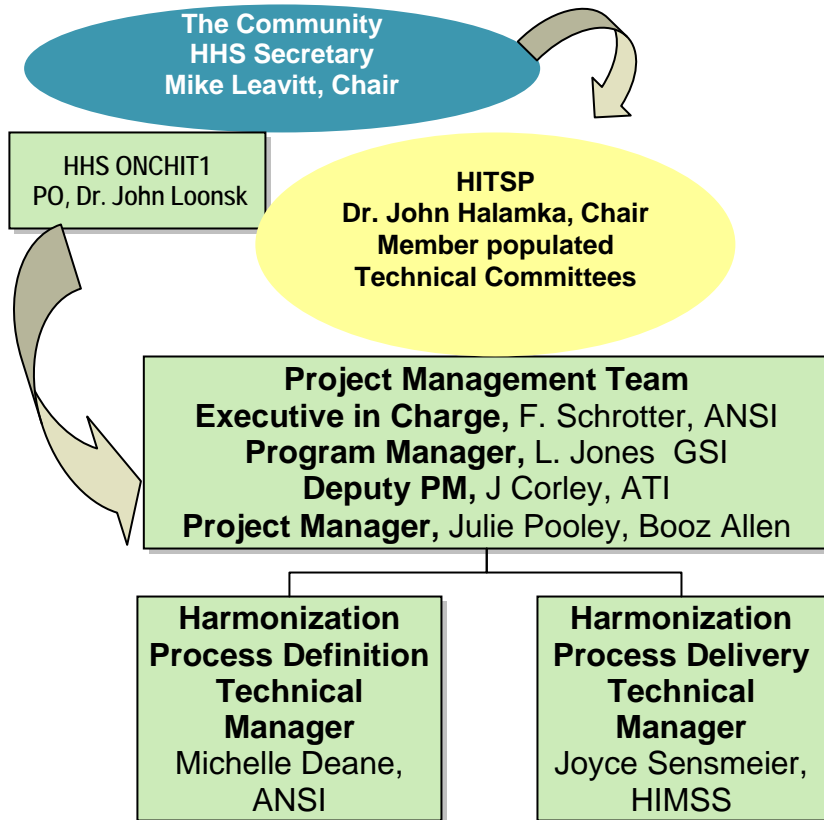
**HITSP includes 348 different member organizations and is administered by a Board of Directors**

- 24 SDOs (7%)
- 247 Non-SDOs (71%)
- 30 Govt. bodies (9%)
- 12 Consumer groups (3%)
- 36 Project Team and Undeclared (10%)

*The Community is a federally-chartered commission and will provide input and recommendations to HHS on how to make health records digital and interoperable, and assure that the privacy and security of those records are protected, in a smooth, market-led way.*



# The HITSP team is charged with completing eleven different tasks, with current efforts focused on the harmonization process



Eleven Tasks are included in this contract:

1. Comprehensive Work Plan
2. Conduct a Project Start Up Meeting
3. Deliver Recommended Use-Cases
4. Participate in related meetings and activities, including the AHIC Meetings
5. Develop a Gap Analysis
6. Standards Selection, Evaluations and Testing
7. Define a Harmonization Approach
8. Develop Interoperability Specifications
9. Develop and Evaluate a Business Plan for the self-sustaining processes
10. Submit Monthly Reports – ongoing efforts
11. Assist with communications – ongoing efforts



# HITSP formed Technical Committees to focus on AHIC breakthrough areas - Initial focus is on 3 use cases

- ▶ **Biosurveillance** -- Transmit essential ambulatory care and emergency department visit, utilization, and lab result data from electronically enabled health care delivery and public health systems in standardized and anonymized format to authorized public health agencies with less than one day lag time.
- ▶ **Consumer Empowerment** -- Deploy to targeted populations a pre-populated, consumer-directed and secure electronic registration summary. Deploy a widely available pre-populated medication history linked to the registration summary.
- ▶ **Electronic Health Records** -- Deploy standardized, widely available, secure solutions for accessing laboratory results and interpretations in a patient-centric manner for clinical care by authorized parties.
- ▶ **Security and Privacy** – Initially a formed as a Work Group to address Security and Privacy (S & P) requirements of the first three Use Cases. Now a Technical Committee charged with addressing S & P requirements for all Use Cases provided to HITSP.



# HITSP Coordinating Committees and Leadership

- ▶ **Foundations Committee**
  - Steve Wagner
  - Bob Dolin
- ▶ **HITSP Process Review Committee**
  - Lynne Gilbertson
  - Erik Pupo
- ▶ **HITSP-CCHIT Joint Work Group**
  - Jamie Ferguson, Kaiser Permanente
- ▶ **Harmonization Readiness Committee**
  - Lynne Gilbertson
- ▶ **Business Plan Committee**
  - Steve Lieber
- ▶ **International Landscape Committee**
  - Bill Braithwaite
- ▶ **Governance Committee**
  - Michael Aisenberg

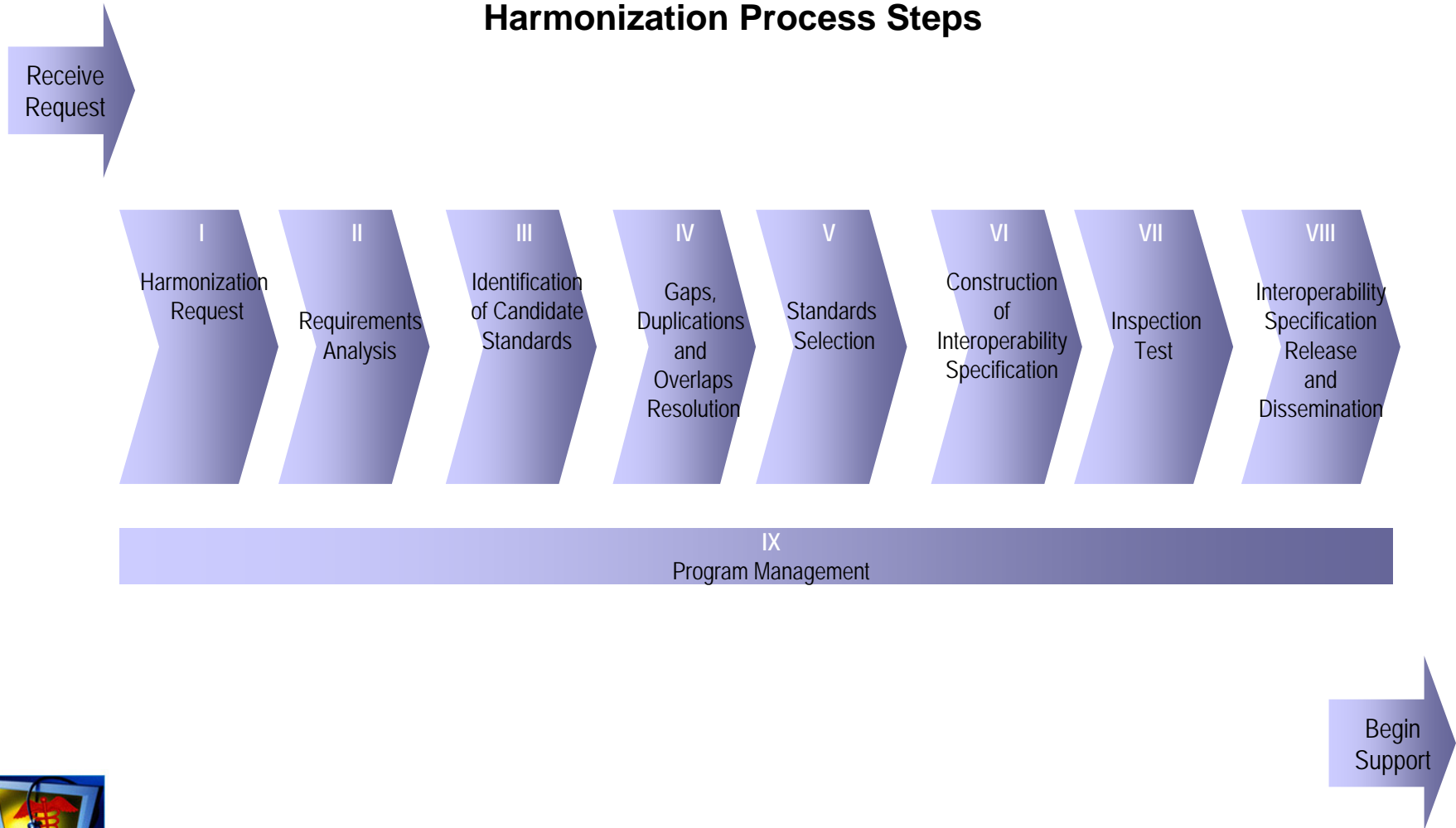
# HITSP Technical Committees and Leadership

- ▶ **HITSP Technical Committee - Care Delivery**
  - James Ferguson, Kaiser Permanente
  - Steve Hufnagel, DoD
  - Steve Wagner, Department of Veterans Affairs
- ▶ **HITSP Technical Committee - Consumer Empowerment**
  - Elaine Blechman, PhD, University of Colorado, Boulder
  - Charles Parisot, GE Healthcare
  - Scott Robertson, Kaiser Permanente
- ▶ **HITSP Technical Committee- Population Health**
  - Floyd Eisenberg, MD, MPH, Siemens Medical Solutions
  - Peter Elkin, MD, Mayo Clinic College of Medicine
  - Shaun Grannis, Department of Family Medicine, Indiana University School of Medicine
- ▶ **HITSP Technical Committee- Security and Privacy**
  - Cochair nominations in progress



# The actual harmonization process is a series of steps taken by industry stakeholders within the context of HITSP

## Harmonization Process Steps



# Current Status of HITSP Security and Privacy Activities

- ▶ Review Use Cases and identify Security and Privacy Requirements. This will serve to populate the Requirements sections of the Requirements, Design and Standards Selection (RDSS) document. **Completed**
- ▶ Identify *candidate* standards (from our Inventory of Standards and other sources), and sort them into buckets which correspond to the security and privacy requirements (potential HITSP constructs). **Completed**
- ▶ Develop Requirements, Design, Standards Selection (RDSS) document **Completed**
  - Technical Actors, Business Actors & mappings from use cases
  - UML diagrams (initially a high level relationship roadmap)
  - Identify Security and Privacy Requirements and map to use cases
  - **Public Comment Period: 05/16 – 06/14**
- ▶ Apply Tier 2 criteria to *select* from the existing standards for each of our potential constructs. **Current Activity**
- ▶ Develop HITSP Security and Privacy Constructs which will frame implementation of the selected standards to achieve the requirements as identified in the Use Cases.  
**Current Activity**
- ▶ Inspection Test and Public Comment: **07/20 – 08/16**
- ▶ Comment Resolution and Panel Approval: **08/17 – 10/15**

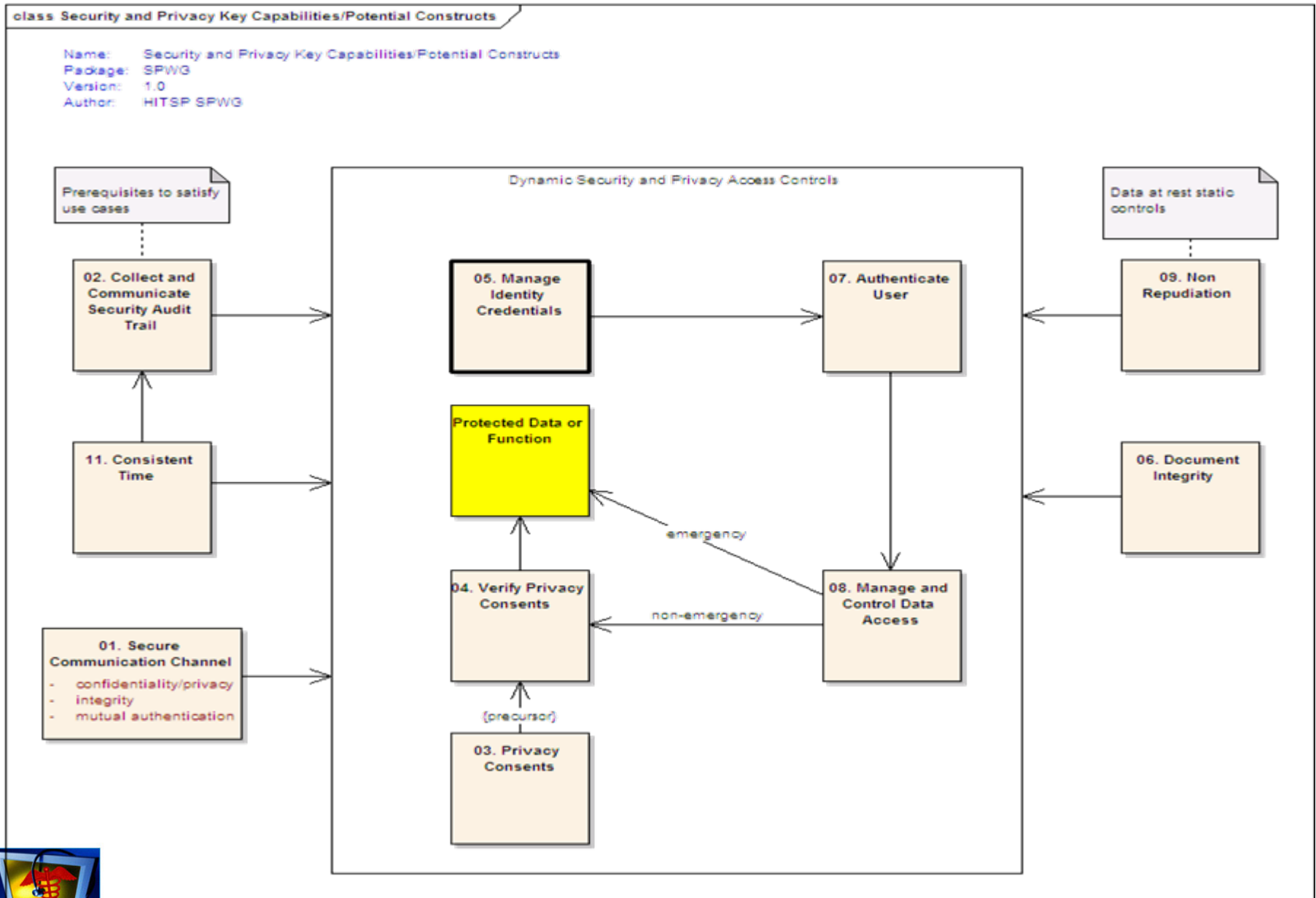


# **HITSP Security and Privacy Constructs under Consideration (Requirements and Key Capabilities from the Three Initial Use Cases)**

1. Secured Communication Channel  
(includes mutual node authentication, integrity and confidentiality of transmission contents)
2. Collect and Communicate Security Audit Trail
3. Privacy Consents
4. Verify Privacy Consents
5. Manage Entity Identity Credentials
6. Document Integrity
7. Authenticate User
8. Manage and Control Data Access
9. Non Repudiation
10. Fail-Safe/Emergency access (now rolled into #4 and #8)
11. Consistent Time



# HITSP Security and Privacy Constructs under Consideration



# Security and Privacy RDSS Document Review

April 13, 2007  
Version 1.0

HITSP Requirements, Design and Standards Selection:  
Security and Privacy (for Biosurveillance, EHR-Lab, and  
Consumer Empowerment Use Cases)

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HITSP/RDSS-51



Submitted to:

Healthcare Information Technology Standards Panel

Submitted by:

Security and Privacy Work Group



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HITSP Requirements, Design and Standards Selection:  
Security and Privacy (for Biosurveillance, EHR-Lab, and Consumer  
Empowerment Use Cases)  
Review Copy  
20070413\_V1.0



# Security and Privacy RDSS Document

The RDSS document is located on the [www.hitsp.org](http://www.hitsp.org) web site via the following link:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fHealthcare%20Informatics%20Technology%20Standards%20Panel%2fRequirements%2c%20Design%20and%20Standards%20Selection%2fRDSS%2d51%20Security%20and%20Privacy>

HITSP members and public stakeholders are also encouraged to work with the Security and Privacy Work Group as they continue the process of standards selection and construct development.

If your organization is a HITSP member and you are not currently signed up as a Security and Privacy Work Group member, but would like to participate in this process, please contact [jkant@himss.org](mailto:jkant@himss.org)



## Questions

- ▶ For General Technical Committee related questions please contact:

Joyce Sensmeier MS, RN-BC, CPHIMS, FHIMSS  
Vice President, Informatics  
HIMSS  
230 East Ohio, Suite 500  
Chicago, IL 60611-3269  
Phone: 312-915-9281 email: [jsensmeier@himss.org](mailto:jsensmeier@himss.org)

Or

Jessica Kant  
Coordinator, Standards Harmonization  
Healthcare Information & Management Systems Society  
230 E. Ohio St., Suite 500  
Chicago, IL 60611  
Phone: 312-915-9283 Fax: 312-915-9511 email: [jkant@himss.org](mailto:jkant@himss.org)

- ▶ For HITSP Security and Privacy related questions please contact:

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690 Libbys Pt.  
Mt. Pleasant, SC 29464  
Tel: 843-442-9104 email: [jc@securityrisksolutions.com](mailto:jc@securityrisksolutions.com)

