RFP ONCHIT-1
Evaluation of Standards Harmonization Process for HIT

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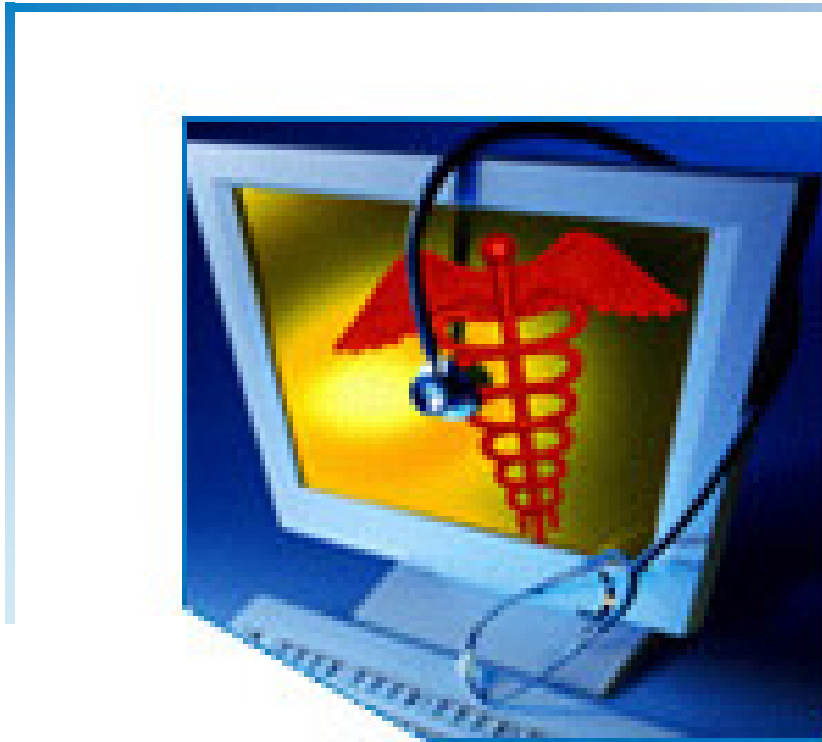
HHS Strategy for Health IT: AHIC and the Four RFPs
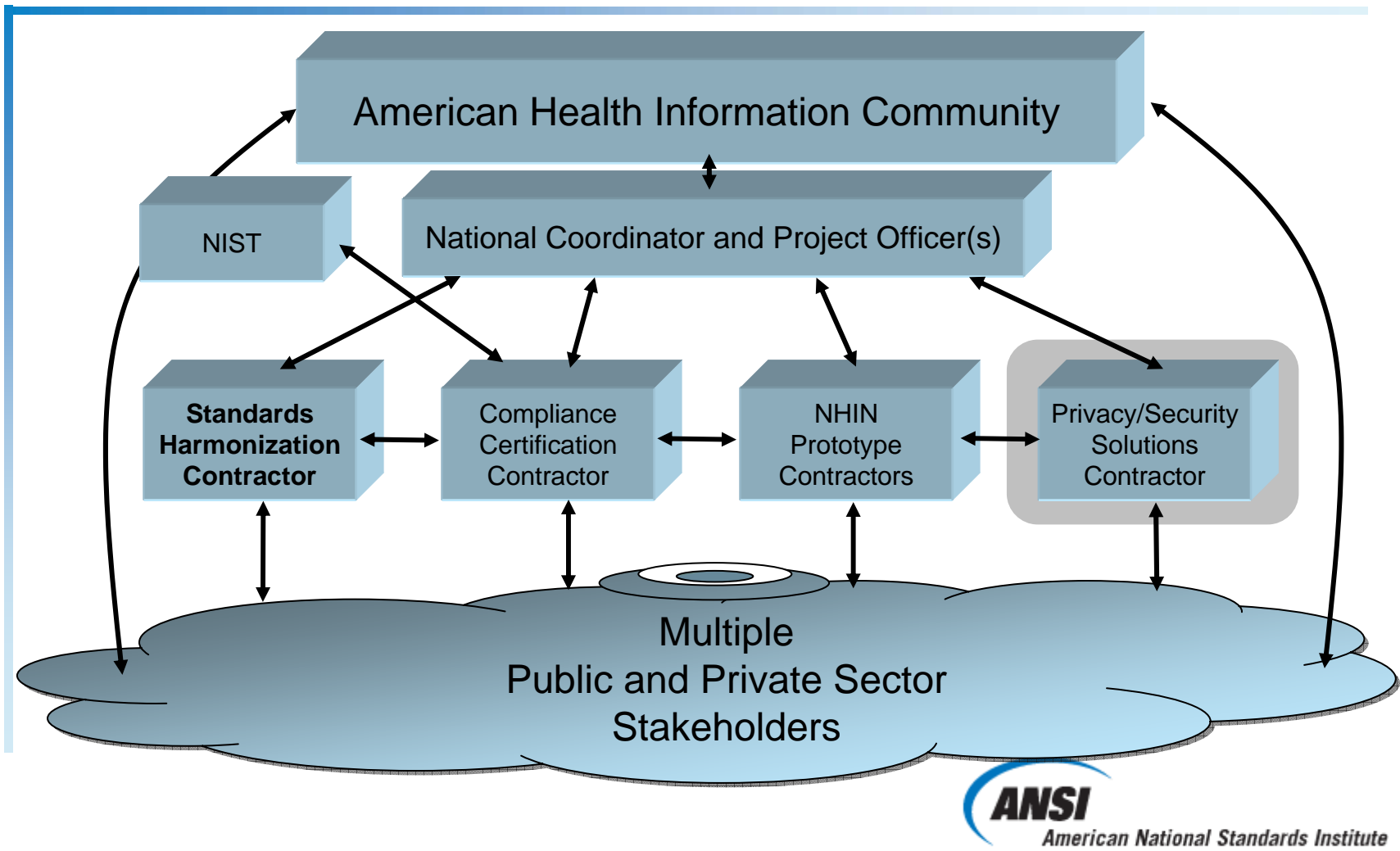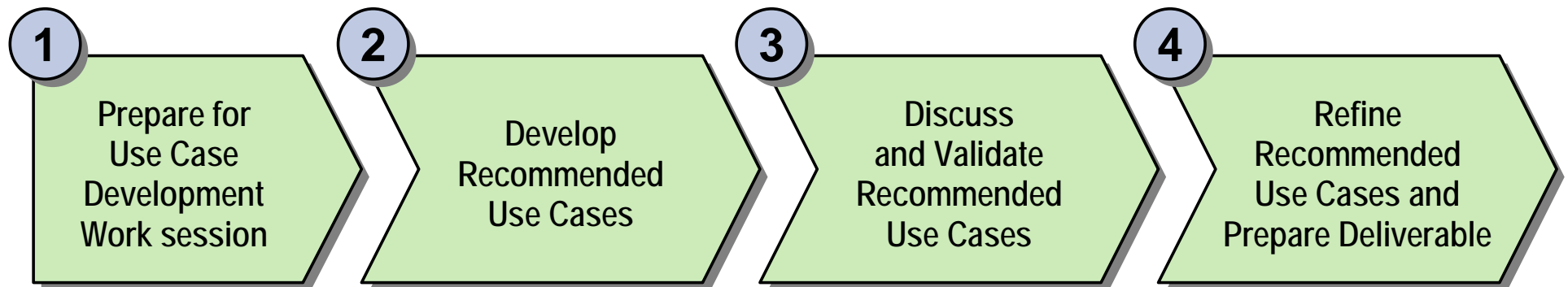
Use Case Definition

- Illustrations of the applicability and business need for all areas of standards for interoperability that include:
  - Strategic healthcare improvement goal
  - Narrative, high-level description of the persons or things involved
  - Sequence of actions
    - Experienced by the patient
    - Performed by the clinician
    - Supported by the health information technology
  - Expected impact
    - Quantifiable outcomes/benefits

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Task 3 Overview

Objective: To develop a minimum of three recommended use cases annually illustrating the applicability and business need for all areas of standards for interoperability. As applied in this context, a use case can be a narrative and graphical description (a storyboard with figures and diagrams) of the behaviors of persons or things (actors), and/or a sequence of actions, in a targeted area of interest (domain).

1 Prepare for Use Case Development Work session

2 Develop Recommended Use Cases

3 Discuss and Validate Recommended Use Cases

4 Refine Recommended Use Cases and Prepare Deliverable

Use Case Development

- Identify stakeholder participants
- Define criteria for evaluating and prioritizing use cases
- Baseline existing use cases for consideration and identify new
- Apply evaluation criteria
- Develop recommended use cases
- Discuss and validate recommended use cases

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Use Case Criteria

- **The use cases shall address:**
  - Specialized variations and extensions of the general case of patients receiving care from a healthcare provider or healthcare organization, and
  - Requiring the exchange of their relevant health information with other providers to support the clinical delivery of care at a different time and/or setting.

Use Case Criteria

- **Or - Use cases shall be developed that:**
  - Illustrate health data transmission and/or exchange for public health purposes, such as bio-surveillance, outbreak management, alerting and communication with health providers, and public health detecting and reporting.
  - Second level review
    - Feasibility

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Use Case Criteria

- ❑ **Pragmatic**
  - Implementable
  - Feasible – practical application
  - Affordable
  - Executable - suitable for a year 1 HITSP project
- ❑ **Value**
  - Clinical value
  - Long-term viability
  - Solves real-world problem (for providers)
  - Federal hot point – national priority
  - Safeguards patient privacy
- ❑ **Measurable**
  - Non-clinical outcomes
  - Clinical outcomes
  - ROI

- ❑ **Comprehensive**
  - Span more than one SDO
  - Span health system, care settings and continuum of care across time
  - Accessibility – minimizes digital divide
- ❑ **Meets ONCHIT program needs**
  - Extent to which use-case is likely to integrate with other ONCHIT projects
  - Compelling story
- ❑ **Population/public health**
  - Addresses public health concerns

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Progress to date

- Aug. 31 Identified volunteer leaders to help guide the process
- Aug. 31 Finalized list of prioritized use cases – based on criteria
- Aug. 31 Sept. 5 Created template for preliminary use case descriptions
- Aug. 31 Sept. 10 Documented and refined preliminary use cases on template
- Sept. 13 Submitted to Use Case Committee members for review
- Sept. 20 Submitted to HITSP members

Next steps

- **Sept. 27-28 HITSP to review/approve proposed use cases for further refinement**
- **Sept. 30 E-mail preliminary descriptions for "HITSP selected use cases" to Use Case Committee members and Project Officer**
- **Oct. 4 - 5 Use Case Committee meeting**
  - Double Tree Hotel, Rosemont, IL
  - Develop recommended use case descriptions for AHIC review and endorsement

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Recommended use case description

- **Each use case will include:**
  - Narrative and graphical description
    - Storyboard with figures and diagrams of the persons or things
    - Sequence of actions
  - Associated technical specifications
    - Well-defined process flow
    - High-level data model
  - Rationale as to why this use case needs to be addressed
    - Expected impact
    - Identification of standards expected to be relevant
    - Key obstacles to attaining use case success

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Next steps

- Oct. 6-20 Electronic interaction on refining preliminary use case descriptions
- Document and refine preliminary use cases on template
- Oct. 14 Submit interim report to Project Officer
- Oct. 20 Review by HITSP Board of Directors
- Oct. 25-26 Team finalizes deliverable and submits to Project Officer

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For more information
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