

# Security and Privacy Work Group Update

## Report to the Healthcare Information Technology Standards Panel

Contract HHSP23320054103EC



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# Criteria for prioritizing work efforts (on-going)

## ▶ Discussion Points:

- Applicability to Multiple Use Cases and HITSP Constructs (Interoperability Specifications, Transaction Packages, Transactions, Components)
- Scope into achievable goals (3 - 5 candidate constructs)
- Make final decision from 3 - 5 candidate constructs
- Completion of a suite of related components/logical progression
- Interdependency of related items (e.g. authorization, authentication, access control, audit and others may be prerequisites for consent)
- Consider items that represent best value to the industry that are not necessarily covered by non-healthcare industries (e.g. International Applicability)

## ▶ Other Considerations

- Straightforward vs Complex (also need to consider lack of existing pool of candidate standards (gaps) for some complex issues)
- Most common/prevalence of risk in identified work items
  - ▶ Avoid highly contentious issues that cannot be resolved yet
  - ▶ Consider if a patient identity is a factor, as it is an unresolved issue.



# Potential Security and Privacy Constructs for the Biosurveillance, Consumer Empowerment, EHR-Lab and Emergency Responders Use Cases

▶ So far, 11 potential new constructs for Security and Privacy have been identified. Potential new constructs include:

- Provide Node Authentication and secured communication channel
- Collect and Communicate Audit Trail
- Basic Consents
- Verify Patient Consent, Authorizations, Advance Directives
- Manage Provider Credentials
- Document integrity and non-repudiation
- Verify authenticity of transmission contents
- Authenticate User Across Enterprises
- Manage and Control Data Access
- Digitally Sign (machine signature only)
- Fail-safe/Emergency access



# Candidate constructs selected as priority for immediate work

Based on the prioritization criteria and consensus of the SPWG, the following potential constructs have been selected as candidate immediate work items:

Use Case Applicability				Constructs	Work Effort	Short Reference	Scoping/ Comments/ Work Efforts
BIO	EHR	CE	ER				
X	X	X	X	Collect and Communicate Audit Trail	Low	Audit Trails	<ul style="list-style-type: none"> <li>- Definition and identification of data to collect/audit (determined by policy/regulation and risk analysis)</li> <li>- Formation of audit data (e.g. record format)</li> <li>- Collection of audit data (common repository?)</li> <li>- Analytical reports</li> <li>- Policy considerations (e.g. retention)</li> <li>- Alerting/alarming and automated responses</li> </ul>
X	X	X	X	Provide Node Authentication and secured communication channel	Low	Node Authentication/ Secure Channel	<ul style="list-style-type: none"> <li>- Includes Transport Encryption and Consistent Time (Note: Consistent time may be considered as a lower level construct)</li> </ul>
X	X	X	X	Verify authenticity of transmission contents	Med	Verify Authenticity	<ul style="list-style-type: none"> <li>- Machine signature/verification</li> </ul>
X	X	X	X	Basic Consents	High	Basic Consents	<ul style="list-style-type: none"> <li>- Multi-generation plan from basic to advanced consent. Options will be evaluated include opt-in, opt-out, and a broader range of alternatives</li> <li>- Understanding of vocabulary of what can be consented to is needed</li> <li>- Need to discover what falls into basic/moderate/advanced consent</li> </ul>



# Update on HISPC-HITSP Coordination Action Item

- ▶ High-level overview of how the HITSP SPWG will be able to stay informed of HISPC progress and ensure our work in this area is appropriately informed:
  - Members with involvement in both projects will alert the SPWG if we go off down a contradictory path
  - General points that have been identified across the HISPC project and that are timely and relevant to the deliberations of the WG, will be provided to us informally through discussions in our WG by members of both projects (cleared by HISPC)
  - Key points on HISPC progress will be presented to the SPWG on a recurring basis, perhaps monthly or as needed (needs to be cleared by HISPC Project Director)
  - As HISPC comes to its recommendation phase, more formal engagement (possible Joint Work Group) will be requested



## Other Notes

- ▶ SPWG now holds weekly teleconference/webinar meetings (Thursdays 1-2pm ET)
- ▶ Attendance ranges from 27 to 55 participants
- ▶ HITSP SPWG will meet during the March 6-8 face to face in Chicago and further our work in development of the constructs

