Inferno Tech Talk – January 2025

Yunwei Wang MITRE Inferno Team January 8, 2025



Inferno Tech Talk Introduction

- Purpose: to provide regularly scheduled updates on the Inferno tool and its implementation of the (g)(10) test procedure
- Typical agenda to include:
 - Announcements about upcoming releases
 - Training on new features
 - Highlight outstanding issues or known problems
 - Open discussion
- Monthly recurrence: 2nd Wednesday at 1PM ET
- This call is being recorded and will be posted on https://inferno.healthit.gov/events/

Content reflects Inferno's implementation of applicable Test Procedure and does not necessarily reflect ASTP/ONC policy.

Today's Agenda

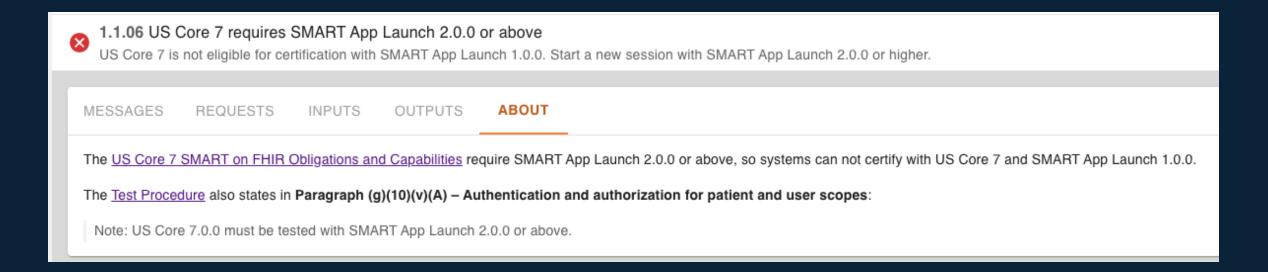
- (g)(10) Standardized API Test Kit v7.0.3
- Other Test Kits Update
 - SMART Health Cards Test Kit v0.9.0
 - UDAP Security Test Kit v0.10.1
- HL7 FHIR Connectathon & Work Group Meeting
- Discussions / Questions

ONC (g)(10) Standardized API Test Kit v7.0.3

- Test Update:
 - Changes that may result in new failure: 0
 - Changes that will not affect score of passing implementations: 1

(g)(10) Updates: Prevent passing US Core v7 and SMART v1

- (g)(10) Test Procedure specifies that:
 - US Core 7.0.0 must be tested with SMART App Launch 2.0.0 or above.



SMART Health Cards Test Kit v0.9.0

New Test Kit for SMART Health Cards Framework v1.4.0

SMART Health Cards Test Kit Last Updated: January 6, 2 SMART Health Cards The SMART Health Cards T The US Core Test Kit to Framework v1.4.0. This test User Action Required This test kit is open source Download and v 3 Download and validate a health card via QR code EHR vendors, health app de Tester can either scan a QR code using Framework is designed for i presaved QR code from local system (3.01 Scan QR Code 2 Download and exchange. 3.02 QR Code Segment Tests After a QR code is scanned or uploade 3 Download and 3.03 QR Code contains an array of Verifiable Credential strings Follow this link to scan QR code. Follow this link to upload QR cod 3.04 Verifiable Credential string has correct JWS Header 3.05 Verifiable Credential string has correct JWS Payload 3.06 Verifiable Credential JWS payload has correct JWS signature 3.07 SMART Health Card payload conforms to the FHIR Bundle Profile

UDAP Security Test Kit v0.10.2

- Add "scope" and "aud" parameters as optional inputs for authorization code redirect test
- Allow testers to specify new or updated client registration attempt

HL7 FHIR Connectathon & Work Group Meeting

- Connectathon 38, January 14-16
 - Inferno participation:
 - CARIN for Blue Button
 - Da Vinci Burden Reduction
 - Da Vinci P<u>Dex</u>
 - FAST Infrastructure Security & Identity
- Work Group Meeting (virtual), January 27-31
 - Inferno participation:
 - FHIR-I
 - US Realm Steering Committee
 - Cross-Group Project



Open Discussion / Feedback

Resources and Contact Information

- https://inferno.healthit.gov/
 - General materials & live demonstration server
- https://inferno-framework.github.io
 - Create your own Inferno Test Kits!
- https://github.com/onc-healthit/onc-certification-g10-test-kit/
 - ONC Certification tests repository, downloads, issues
 - "Watch" repository to receive alerts (new releases, etc)
 - Note: this repository is specific to ONC Certification testing
- inferno@groups.mitre.org (or rscanlon@mitre.org)
- FHIR Zulip Chat: https://chat.fhir.org/#narrow/stream/179309-inferno

Upcoming Meetings

Next Inferno Tech Talk: Wednesday February 12 at 1 PM ET

Please reach out with questions & issues