

# Inferno Tech Talk – October 2024

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# 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: 2<sup>nd</sup> Wednesday at 1PM ET
- [This call is being recorded and will be posted on https://inferno.healthit.gov/events/](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

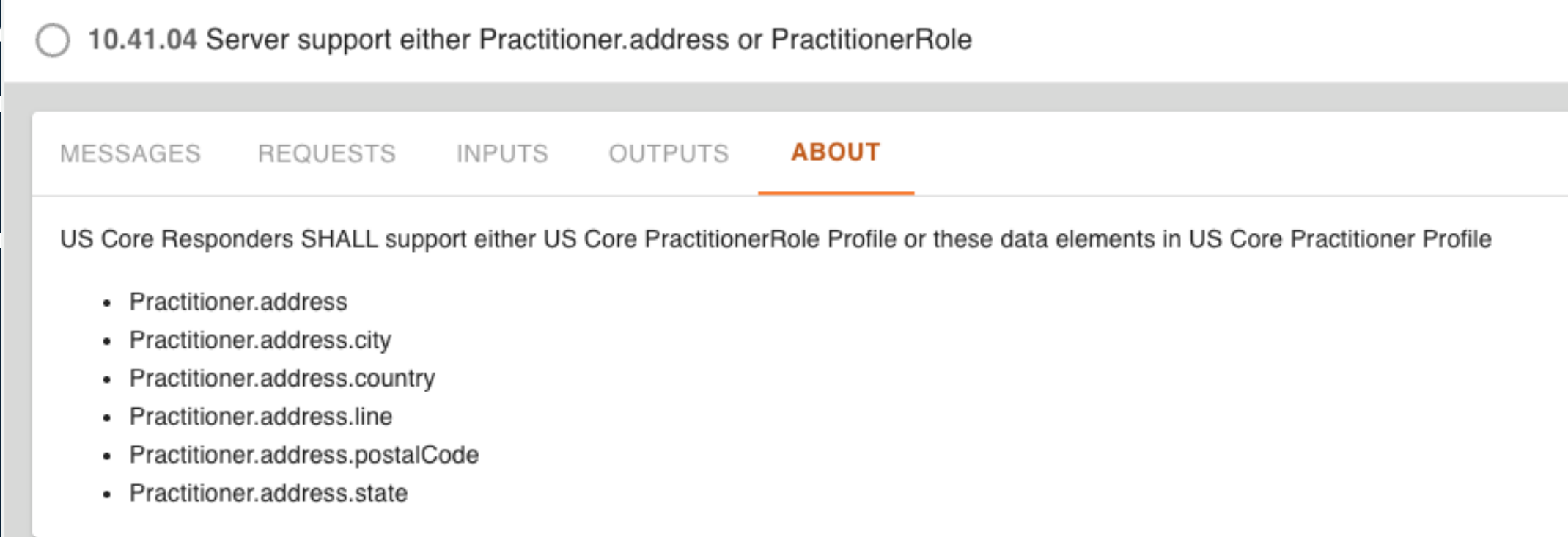
- (g)(10) Standardized API Test Kit v6.0.3
- Other Test Kits Update
  - SMART App Launch Test Kit v0.4.5
  - Subscription Test Kit v0.9.2
  - UDAP Security Test Kit v0.9.2
  - UDS+ Test Kit v1.1.1
  - US Core Test Kit v0.8.2
- Discussions / Questions

# ONC (g)(10) Standardized API Test Kit v6.0.3

- Test Update:
  - Changes that may result in new failure: 0
  - Changes that will not affect score of passing implementations: 3

## (g)(10) Updates: US Core v6.1.0 Patch #1 (#559)

- [FHIR-44693](#): For purposes of certification, Practitioner.address from the US Core Practitioner Profile is not required to be supported if the Health IT Module supports the US Core PractitionerRole Profile.

- W The screenshot shows a web page with a title "10.41.04 Server support either Practitioner.address or PractitionerRole". Below the title is a navigation bar with tabs: "MESSAGES", "REQUESTS", "INPUTS", "OUTPUTS", and "ABOUT" (which is highlighted with an orange underline). The main content area contains the text "US Core Responders SHALL support either US Core PractitionerRole Profile or these data elements in US Core Practitioner Profile" followed by a bulleted list of address elements: Practitioner.address, Practitioner.address.city, Practitioner.address.country, Practitioner.address.line, Practitioner.address.postalCode, and Practitioner.address.state.

## (g)(10) Updates: US Core v6.1.0 Patch #2 (#560)

- [FHIR-43355](#): For purposes of certification, the clinically relevant time/time-period for observation for the US Core Smoking Status Observation Profile may be supported using either Observation.effectiveDateTime or

○ 10.27.07 All must support elements are provided in the Observation resources returned

MESSAGES REQUESTS INPUTS OUTPUTS **ABOUT**

US Core Responders SHALL be capable of populating all data elements as part of the query results as specified by the US Core Server Capability Statement. This test will look through the Observation resources found previously for the following must support elements:

- Observation.category
- Observation.category:SocialHistory
- Observation.code
- Observation.effective[x]
- Observation.status
- Observation.subject
- Observation.valueCodeableConcept

## (g)(10) Updates: Fix Token Introspection Endpoint URL (#550)

- In v6.0.2, test 9.11.1, Request New Access Token to Introspect, ignored the “Token Introspection Endpoint” value provided in test configuration.
- What’s changed:
  - Fix test 9.11.1 so if server’s well-known configuration does not provided introspection\_endpoint, then the test uses the “Token Introspection Endpoint” provided in test configuration

### **Token Introspection Endpoint**

The complete URL of the token introspection endpoint. This will be populated automatically if included in the server's discovery endpoint.

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# SMART App Launch Test Kit v0.4.5

- New Test Suite for SMART App Launch STU v2.2.0
  - Support new format for fhirContext in v2.2.0
  - TODO: Add CORS Support test
- New Test Suite for User-access Brands and Endpoints



# Subscription Test Kit v0.9.2

## Subscriptions Test Kit

*Last Updated:* October 9, 2024

*Test Kit Version:* 0.9.2

*Maturity:* Low 

The Subscriptions Test Suite verifies the conformance of systems to the FHIR Subscriptions framework as specified in the [HL7® FHIR® R5 version](#) and above. For systems using the R4 and R4B releases of FHIR, it verifies Subscription functionality against the [Subscriptions R5 Backport IG](#) that specifies how to use R5 Subscriptions functionality within those earlier versions.

### Status

These tests are a **DRAFT** intended to allow implementers to perform preliminary checks of their systems against Subscriptions capabilities backported from FHIR R5 to R4 and [provide feedback](#) on the tests. Future versions of these tests may verify other requirements and may change the test verification logic. The test kit currently includes suites for systems implementing FHIR R4 only.

### Test Scope and Limitations

The Subscriptions Test Kit includes suites for the following Subscriptions actors and versions:

### Start Testing

#### Test Suite

- Subscriptions R4 Client Test Suite
- Subscriptions R4 Server Test Suite

[+ Create Test Session](#)

#### Your Recent Sessions



##### Subscriptions R4 Server

10/9/2024, 7:49:04 AM

# UDAP Security Test Kit v0.9.2

- UDAP Security Test Kit v0.9.1 used `Base64.urlsafe_encode64/decode64`
- What's Changed
  - Change to `Base64.encode64/decode64`

# UDS+ Test Kit v1.1.1

- What's Changed
  - Downgrade some terminology display errors to warnings (#32)

# 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](mailto:inferno@groups.mitre.org) (or [rscanlon@mitre.org](mailto:rscanlon@mitre.org))
- FHIR Zulip Chat: <https://chat.fhir.org/#narrow/stream/179309-inferno>

# Upcoming Meetings

- Next Inferno Tech Talk: **Wednesday November 13** at 1 PM ET
- Please reach out with questions & issues