Zoom Meeting Interface and Basic Logistics

*image above is a publicly available tutorial image obtained from Zoom website

- **VIDEO:**
  - **Panelists/Presenters/Facilitators - Please enable your video using bottom left video button with camera icon.**
  - **Attendees** - If you did not receive an invitation to be a panelist, you are in attendee only mode and **will not have access to enable video**

- **AUDIO:**
  - **Panelists/Presenters/Facilitators -** Adjust your audio settings as needed (choose computer audio, call in, mute, etc.) using **audio button bottom left, microphone icon. Please remain muted unless speaking.**
  - **Attendees** - If you did not receive an invitation to be a panelist, you are in attendee only mode and **will not be able to enable audio**

- **CHAT:** The chat function is open to *ALL* participants (bottom, middle right, highlighted in orange in this image). Those in Attendee only mode are encouraged to provide feedback and questions via chat throughout the discussion. Chat will be monitored by the *FAST* team and key themes will be pulled into the discussion.

- **TECHNICAL DIFFICULTIES:** Having trouble hearing the presenters or seeing the shared screen? Put your issue in chat and the Meeting Host will help you.

Process

ONC *FAST* Workshop

September 14, 2020

Session Facilitator

PAUL OATES

*Senior Enterprise Architect and
Lead for the IT M&A Practice*

Cigna

FAST Chief Architect

FAST Taskforce Antitrust Notice

- The ONC FHIR At Scale Taskforce (*FAST*)
  (Hereinafter "Taskforce") is committed to full compliance with existing
  federal and state antitrust laws.

- All members involved in the Taskforce effort, including its advisory groups, will comply with
  all applicable antitrust laws during the course of their activities. During Taskforce meetings and other
  associated activities, including all informal or social discussions, each member shall refrain from discussing or
  exchanging competitively sensitive information with any other member. Such information includes, but may not
  be limited to:
  - Price, premiums, or reimbursement charged or paid for products or services
  - Allocation of customers, enrollees, sales territories, sales of any products or contracts with providers
  - Any other competitively sensitive information that is proprietary to a member company

- If you have any specific questions or concerns, seek guidance from your own legal counsel.

- Members should not bring confidential information or intellectual property (hereinafter "Intellectual Property")
  owned by their respective member companies into Taskforce meetings. To the extent such Intellectual Property
  is shared with the Taskforce that shall not be construed as a waiver of member company's rights to, or ownership
  in, the Intellectual Property.

Agenda

- **Welcome & Introductions**

- **Session Goals**

- **Overview**

- **Discussion Topics**
  - Interactive Panel
  - Participant Q&A

- **Wrap Up/ Key Takeaways**

FAST Panelists

FAST Panelists	
Meena Jambulingam	Optum, *FAST Identity Tiger Team Lead*
Brett Stringham	Optum, *FAST Security Tiger Team Lead*
Bryan Scott	Humana, *FAST Exchange Tiger Team Member*
Rick Geimer	Lantana, *FAST Directory Tiger Team Member*
Lee Barrett	EHNAC, *FAST Testing & Certification Tiger Team Lead*

Roles & Logistics: Panelist vs. Attendee Modes

FAST Key Panelists

- Invited to join, actively engage and support the conversation
- Encouraged to communicate verbally (mics on) and to turn on video
- Monitor the attendee chat box for feedback, address questions via chat or promote questions that are significant to the discussion topic or warrant a verbal debate /reaction with the panel group

Industry Expert Reaction Panelist (in panelist mode)

- Invited to join the live interactive discussion with the *FAST* team
- Encouraged to communicate verbally (mics on) and to turn on video
- Provide their industry expertise and feedback
- Discuss or debate the topic with the facilitator and the panelist group
- Raise questions or concerns
- Feedback will inform *FAST* next steps

General Audience and *FAST* Technical Learning Community Members (in attendee mode)

- Encouraged to engage and contribute feedback and questions via the chat box
- Do not have the ability to contribute verbally to the conversation (mics off)
- No ability to be on video

Process

Session Description

FAST leadership identified the need for a process component to the *FAST* solution development and deployment cycle that will support moving the solution from conceptual to implementations.

We will focus on the need for sustainable process to enable the deployment and support the ongoing requirement for the adoption of FHIR at scale. The session will specifically focus on governance, operation and evolution of FHIR infrastructure.

Come and explore with us other potential steps to solution implementation, that will allow the *FAST* ecosystem infrastructure to support FHIR at scale.

We invite all attendees to contribute or ask questions provide feedback in the chat box.

Session Goals

1. Explore process related elements for implementation of FHIR-enabled interoperability at scale (e.g., process related governance, funding and operational considerations, etc.)

2. Identify key things necessary to deploy solutions in a sustainable manner.

3. Explore limitations and opportunities to convene related groups that need to avoid any implication of anti-trust.
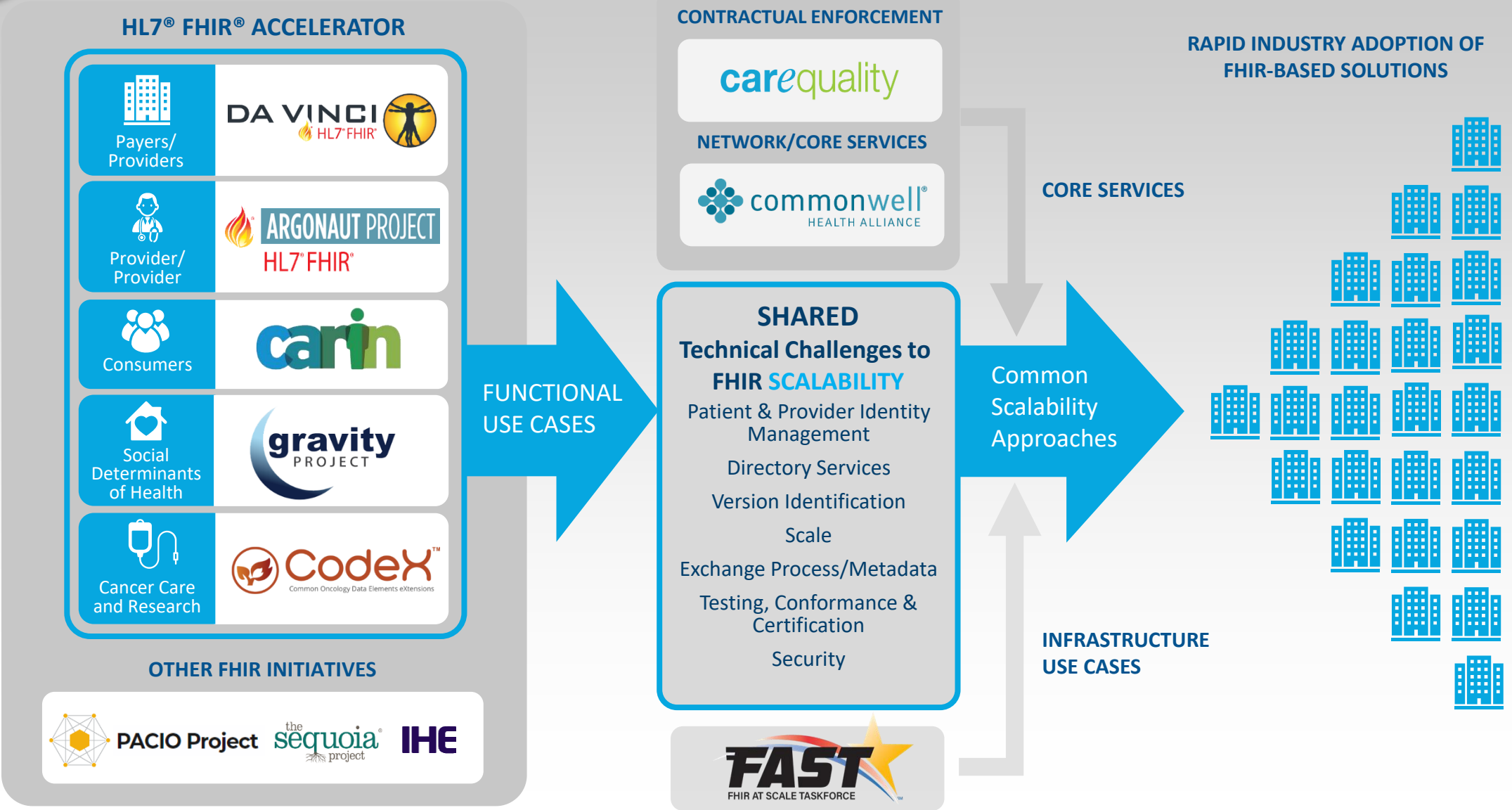
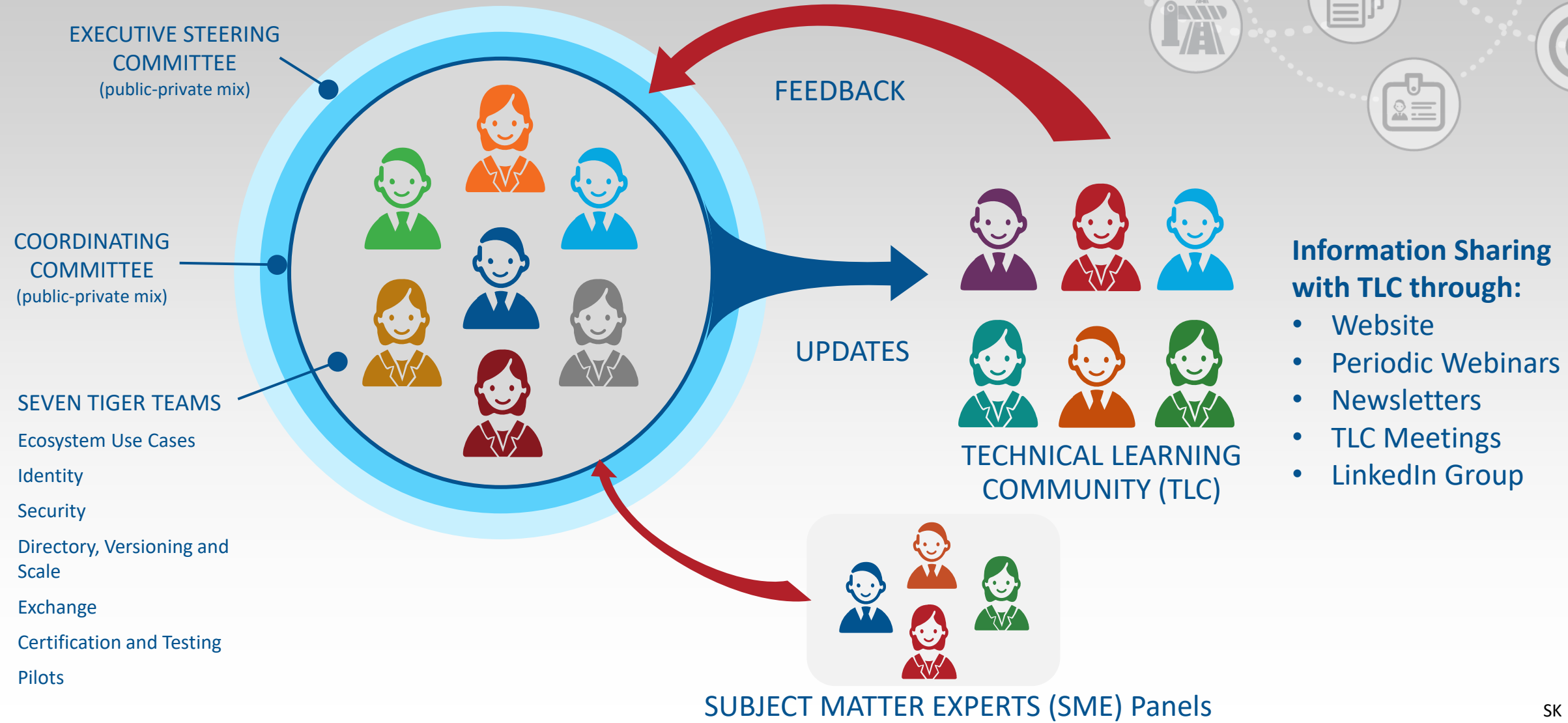# Overview: Where are We on the *FAST* Journey...
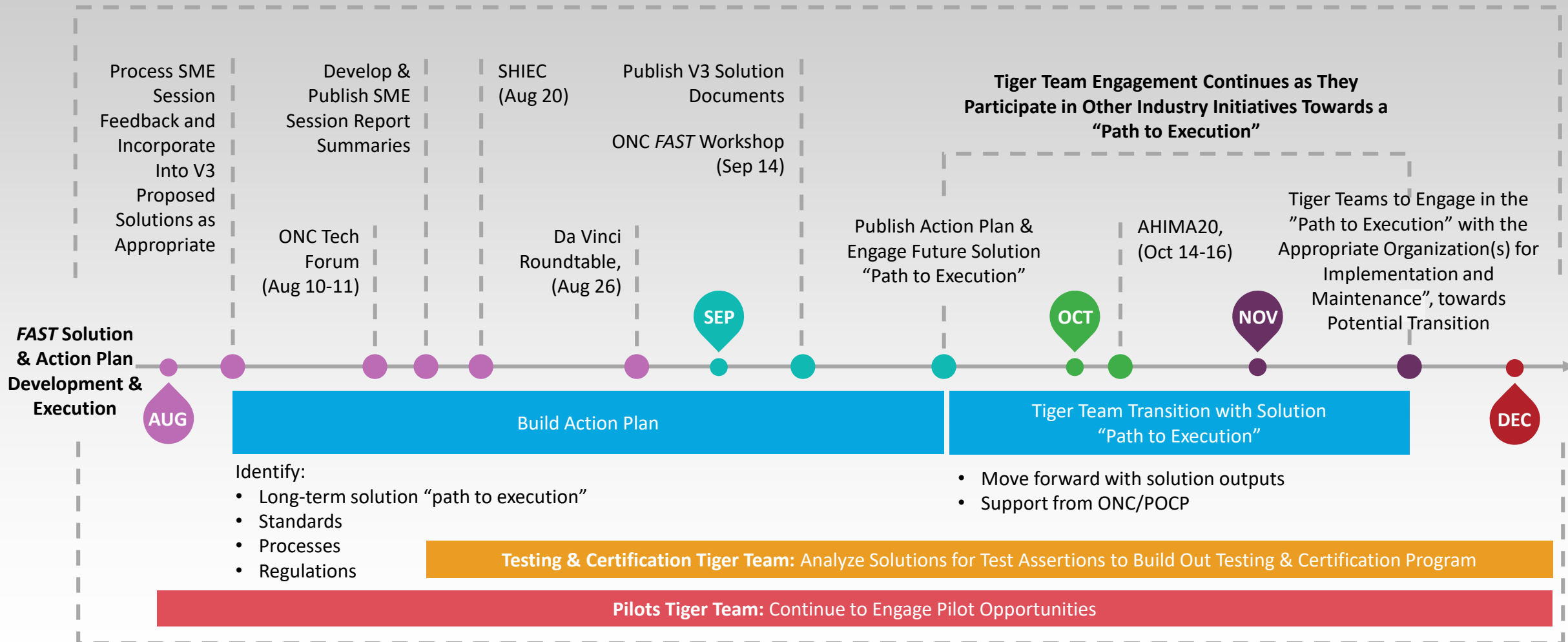
Paving the Way Towards FHIR "At Scale"

HL7® FHIR® ACCELERATOR

- Payers/Providers — DA VINCI HL7·FHIR
- Provider/Provider — ARGONAUT PROJECT HL7·FHIR
- Consumers — carin
- Social Determinants of Health — gravity PROJECT
- Cancer Care and Research — CodeX Common Oncology Data Elements eXtensions

OTHER FHIR INITIATIVES

PACIO Project · the Sequoia project · IHE

CONTRACTUAL ENFORCEMENT

carequality

NETWORK/CORE SERVICES

commonwell HEALTH ALLIANCE

FUNCTIONAL USE CASES

SHARED
Technical Challenges to FHIR SCALABILITY

- Patient & Provider Identity Management
- Directory Services
- Version Identification
- Scale
- Exchange Process/Metadata
- Testing, Conformance & Certification
- Security

FAST FHIR AT SCALE TASKFORCE

CORE SERVICES

Common Scalability Approaches

INFRASTRUCTURE USE CASES

RAPID INDUSTRY ADOPTION OF FHIR-BASED SOLUTIONS

SK

FAST Organization & Community Engagement

EXECUTIVE STEERING COMMITTEE
(public-private mix)

COORDINATING COMMITTEE
(public-private mix)

SEVEN TIGER TEAMS

Ecosystem Use Cases

Identity

Security

Directory, Versioning and Scale

Exchange

Certification and Testing

Pilots

FEEDBACK

UPDATES

TECHNICAL LEARNING COMMUNITY (TLC)

SUBJECT MATTER EXPERTS (SME) Panels

Information Sharing with TLC through:

- Website
- Periodic Webinars
- Newsletters
- TLC Meetings
- LinkedIn Group

12

SK

Next Steps from Now to End of Year

Keep SME Groups Engaged

Process SME Session Feedback and Incorporate Into V3 Proposed Solutions as Appropriate

Develop & Publish SME Session Report Summaries

SHIEC (Aug 20)

Publish V3 Solution Documents

ONC *FAST* Workshop (Sep 14)

Tiger Team Engagement Continues as They Participate in Other Industry Initiatives Towards a "Path to Execution"

ONC Tech Forum (Aug 10-11)

Da Vinci Roundtable, (Aug 26)

Publish Action Plan & Engage Future Solution "Path to Execution"

AHIMA20, (Oct 14-16)

Tiger Teams to Engage in the "Path to Execution" with the Appropriate Organization(s) for Implementation and Maintenance", towards Potential Transition

FAST Solution & Action Plan Development & Execution

AUG **SEP** **OCT** **NOV** **DEC**

Build Action Plan

Tiger Team Transition with Solution "Path to Execution"

Identify:
- Long-term solution "path to execution"
- Standards
- Processes
- Regulations

- Move forward with solution outputs
- Support from ONC/POCP

Testing & Certification Tiger Team: Analyze Solutions for Test Assertions to Build Out Testing & Certification Program

Pilots Tiger Team: Continue to Engage Pilot Opportunities

Engage & Collaborate with Industry Efforts in Specific Proposed Solution Areas

Initial *FAST* Review

FAST Solution Areas	Standard(s)	Regulation	Ongoing Process
Directory	• HL7: Update VhDir IG for US Realm • HL7: Endpoint query IG • HL7: IG for attestation and validation	• CMS authority to operate • Incentives for participation	• Provide Directory services
Version	• HL7: Standards for version control • HL7: Conversion process/tool	None planned	• Provide tools with each version release
Scaling Architecture	• HL7: Intermediary / Endpoint performance criteria • TBD: SLA for RESTful FHIR exchanges • Incorporate declaration of compliance into directory metadata	• May consider for future incorporation into TEFCA and HIPAA (as they start to cover FHIR exchanges)	• Testing and certification of compliance with guidance and SLAs
Security	• HL7: Publish standard for security as part of FHIR core specification • NIST: Add to their security standards • TBD : Trust framework (standard)	• Add to next version of ONC/CMS certification regulations	• Testing and certification of compliance with guidance and SLAs
Identity	• HL7: Publish standard for identification as part FHIR specification for patient matching operation	• Add to next version of ONC/CMS certification regulations	• Testing and certification of compliance with guidance and SLAs
Exchange	• HL7: Publish as brief FHIR IG for FHIR R4	• Non planned but may be candidate for HIPAA	• Testing and certification of compliance with guidance and SLAs
Testing and Certification	• HL7: Endpoint test standards	• Add to next version of ONC/CMS certification regulations	• ONC and CMS required certification process

# So, What Happens When We Are Done?

We are never really done…..

To ensure ongoing adoption of a standard, care and feeding is required

- How will we continue to advance and adopt FHIR at scale?

- Where will cross-stakeholder consensus-building take place?
  - Providers, payers, vendors and many, many others

- How will our industry handle process implications and impacts such as:
  - Recognizing new needs and changes?
  - Understanding costs and operating model impacts?
  - Advancing best practices?
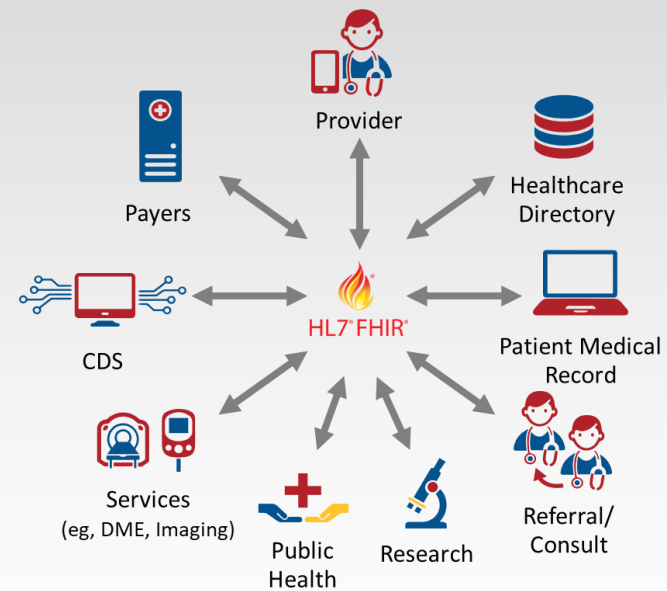
Ongoing Process Examples

It seems like a convening entity and process is a reasonable stewardship approach for things that require ongoing care and feeding across an industry.

Some examples:

- Rollout and ongoing care and feeding of HIPAA administrative oriented transactions
  - X12/WEDI/CAQH Core, NCVHS

- Managing healthcare cyber security concerns by consensus
  - Critical infrastructure security and resilience partnership
  - https://healthsectorcouncil.org/

- Managing both standards and consensus for a healthcare capability
  - DirectTrust

- Guiding an exchange network
  - National Automated Clearinghouse Association (NACHA)

Discussion: The Need for Ongoing Care and Feeding

?

What do we need for ongoing care and feeding?

Option 1

This will happen organically in the industry and the current process to build FHIR content resources is sufficient and the FHIR accelerators are sufficient

Option 2

HL7 content standards and accelerators like Da Vinci are great, but there is a larger picture to manage that would benefit from a convener

Convener Feasibility and Value Exercise

?

What are the requirements we might have for a convener role?

Processes	Key Operating Model Characteristics	Detractors	How Would We Choose/Appoint a Convener?
Things it could do that add value		Things to avoid	

Convener Feasibility and Value Exercise

?

What are the requirements we might have for a convener role?

Processes
Things it could do that add value

Process Requirements

Convener Feasibility and Value Exercise

?

What are the requirements we might have for a convener role?

Key Operating Model Characteristics

Key Operating Model Characteristics

Convener Feasibility and Value Exercise

?

What are the requirements we might have for a convener role?

Detractors
Things to avoid

Detractors

Convener Feasibility and Value Exercise

?

What are the requirements we might have for a convener role?

How Would We Choose/Appoint a Convener?

Requirements for Choosing/Appointing a Convener

Discussion:
Specific Process Questions

Discussion: Ongoing Support for Regulation and Standards

What is the process for gathering industry input and feeding it back into regulatory or standards groups for consideration/ adoption? *(This may differ depending upon the 'owner' of each process.)*

- **By solution? (e.g., Directory owner, Identity owner, Security owner, etc.)**

- **Use convener as a funnel?**

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Discussion: Ongoing Support for Regulation and Standards

?

Given current state/evolution of FHIR, is it helpful or a hindrance to have formal rules/regulations defining or potentially limiting processes?

Examples:
- **Marching to a version in lockstep**
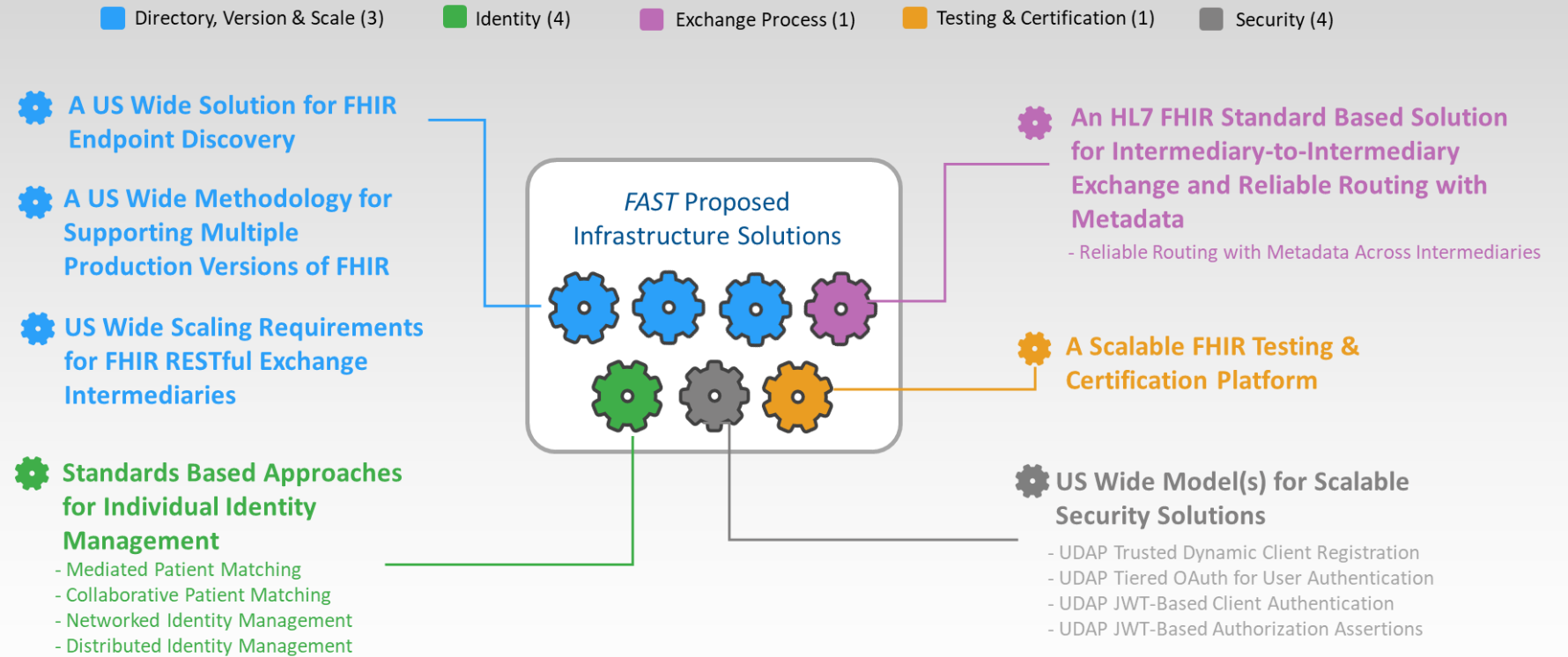- **Public comment for a resource add or change**

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Discussion: Funding

?

What are appropriate sources of funding to consider for each of the *FAST* solutions?

■ Directory, Version & Scale (3)　■ Identity (4)　■ Exchange Process (1)　■ Testing & Certification (1)　■ Security (4)
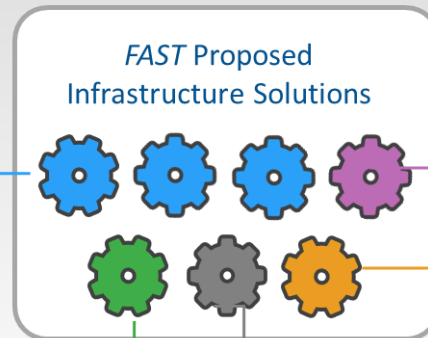
⚙ **A US Wide Solution for FHIR Endpoint Discovery**

⚙ **A US Wide Methodology for Supporting Multiple Production Versions of FHIR**

⚙ **US Wide Scaling Requirements for FHIR RESTful Exchange Intermediaries**

FAST Proposed Infrastructure Solutions

⚙ **An HL7 FHIR Standard Based Solution for Intermediary-to-Intermediary Exchange and Reliable Routing with Metadata**
- Reliable Routing with Metadata Across Intermediaries

⚙ **A Scalable FHIR Testing & Certification Platform**

⚙ **Standards Based Approaches for Individual Identity Management**
- Mediated Patient Matching
- Collaborative Patient Matching
- Networked Identity Management
- Distributed Identity Management

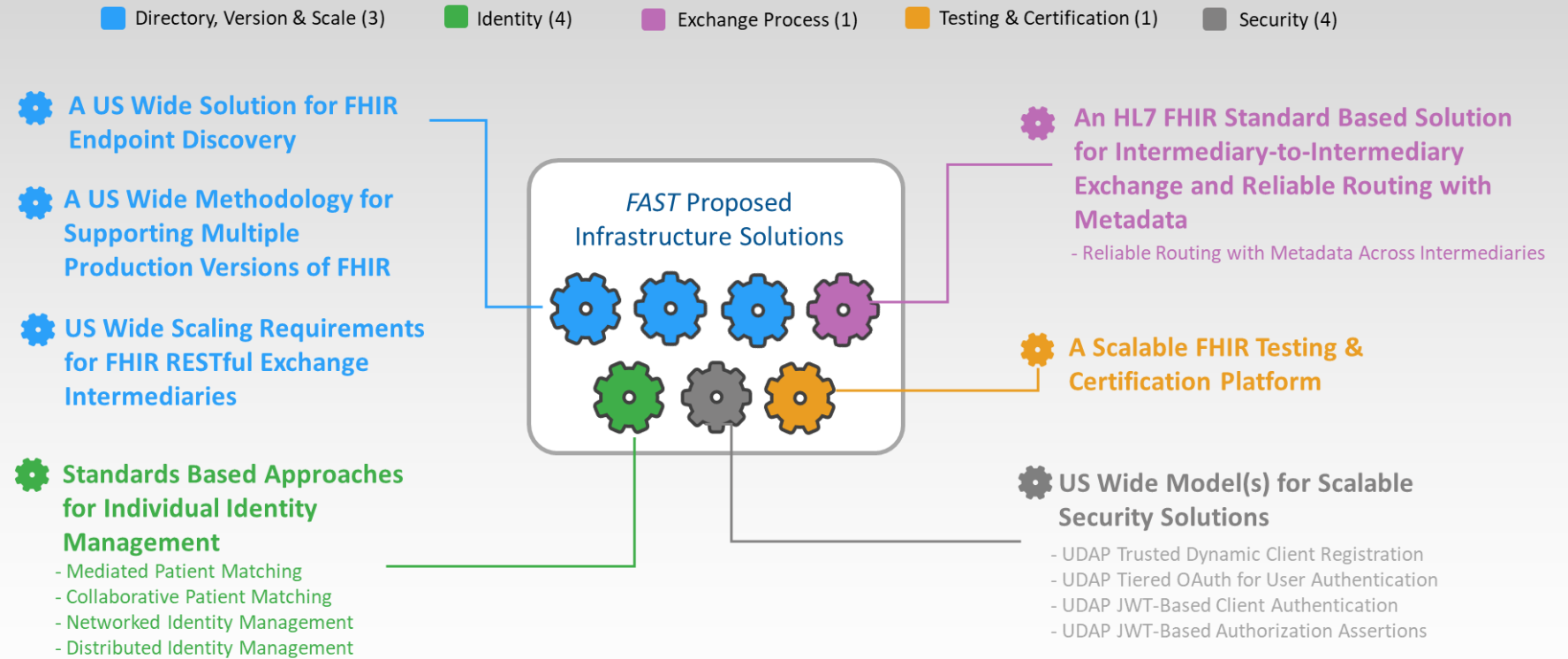⚙ **US Wide Model(s) for Scalable Security Solutions**
- UDAP Trusted Dynamic Client Registration
- UDAP Tiered OAuth for User Authentication
- UDAP JWT-Based Client Authentication
- UDAP JWT-Based Authorization Assertions

Wrap Up

Breakout Sessions Schedule

3:00pm – 4:00pm: **Afternoon Breakouts Part 2 - *FAST* Pathways to Implementation** (limited attendance, concurrent)

Room #1: *Timing Considerations / Interim Steps & Solutions*	Room #2: *Pilots*	Room #3: *Intermediaries*
Session Goals: 1. Capture feedback on interim plans for endpoint directories. 2. Explore options for interim security solutions above and beyond what already exists – what do we need for 2021? 3. Capture any concerns regarding recommended metadata approach. 4. Discuss implementation planning and timelines to prepare for Testing & Certification (above and beyond HL7 tooling, and what's available in the industry to use voluntarily).	**Session Goals:** 1. Explain and reiterate what we are seeking to pilot from a *FAST* perspective (test *FAST* core capabilities with Da Vinci use cases initially provided as the workflow). 2. Discuss if the model of using Da Vinci use cases makes sense. 3. Explore interest for potential future pilots' partners.	**Session Goals:** 1. Identify intermediary requirements for RESTful FHIR exchanges. 2. Identify intermediary- intermediary exchange requirements. 3. Define service level required for intermediaries to meet (1) and (2).

FAST Workshop – Full Day Agenda and Resources

- View the *FAST* Workshop Summary and Detailed Agenda

  - Morning and Closing Plenary

  - Breakout Room Sessions Schedule

  - Handouts and Resources

- Explore these *FAST* resources

  - New to *FAST*? Breakout sessions target interactive discussion and references the *FAST* work to date. Please consider exploring any of the following *FAST* artifacts before attending these breakout sessions:

    - The *FAST* 2020 Mid-Year Report

    - The *FAST* 2019 End of Year Report

    - SME Panel Session Pages

CONTINUE THE CONVERSATION!

Join the Technical Learning Community to stay up to date – receive updates about FAST presentations & events, provide additional input and follow our progress.

JOIN THE LINKEDIN GROUP
&
SIGN UP FOR THE TLC

All content is available on the **FAST Project Page** *or* **https://tinyurl.com/ONC-FAST**

Thank You

Connect with *FAST* on LinkedIn to stay informed

For more information on the *FAST* Initiative,
visit the *FAST* Project Page or https://tinyurl.com/ONC-FAST

Have any further questions/suggestions?

Please contact Stephen Konya at Stephen.Konya@hhs.gov
& Diana Ciricean at Diana.Ciricean@hhs.gov