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EXPERIENCE
SESSIONS
15-17 JUNE 2021



IHE SHARAZONE

INTRODUCING A NEW DIMENSION IN INTEROPERABILITY TESTING

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Charles Parisot

IHE-Services, Chair
InteropEhealth, Principal

28/06/21

Background & Initial Scope

Critical for products **creating** standardized objects to have these objects **tested** with a broad number of **consuming** products*

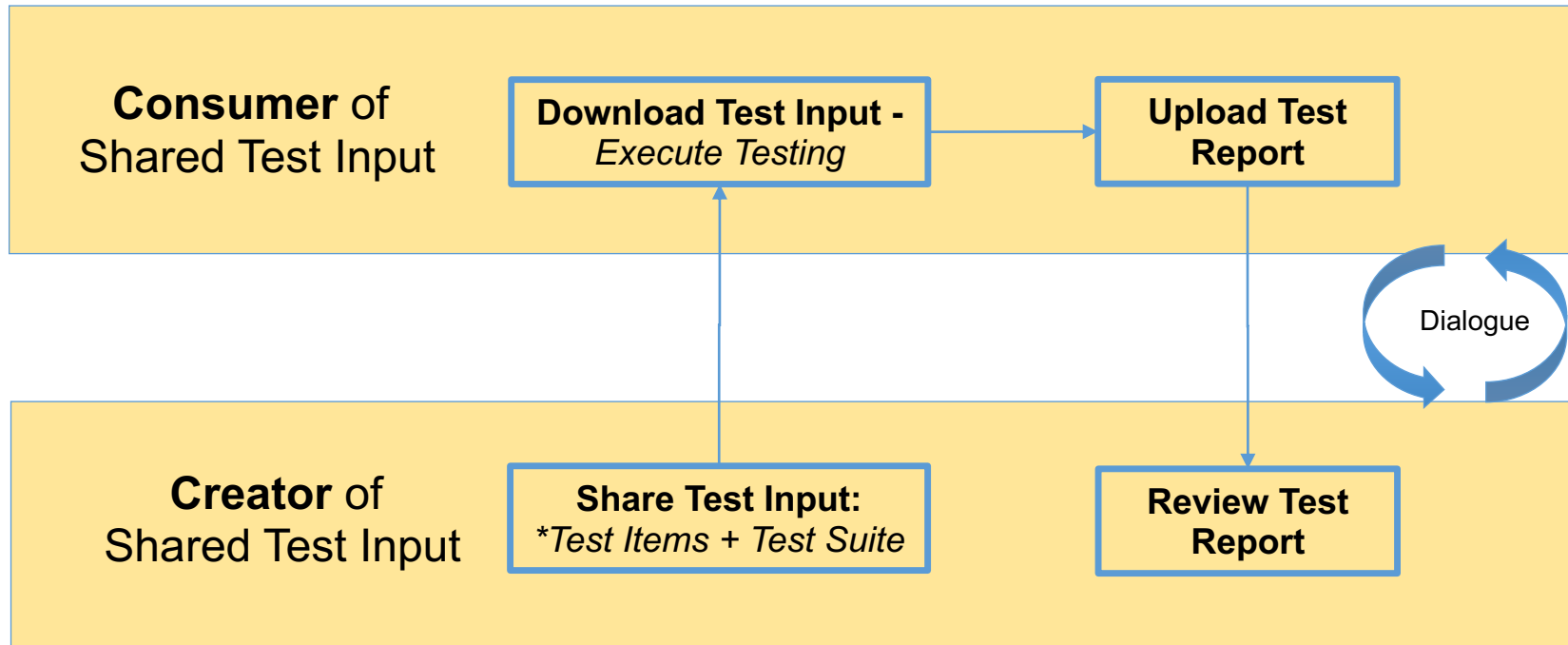
IHE SHARAZONE initially focused on the sharing & testing of **DICOM objects**, however the resulting framework and service intended to consider other objects, such as CDA & FHIR Documents in future.

Multiple attempts to establish testing of shared DICOM and CDA samples. Analyzed why none have grown into a sustainable model.

Create a testing environment for DICOM objects: “**IHE SHARAZONE**”

- **Continuous interoperability test** offering
- Complementing the IHE ConnectathonTM

Process Overview (1)

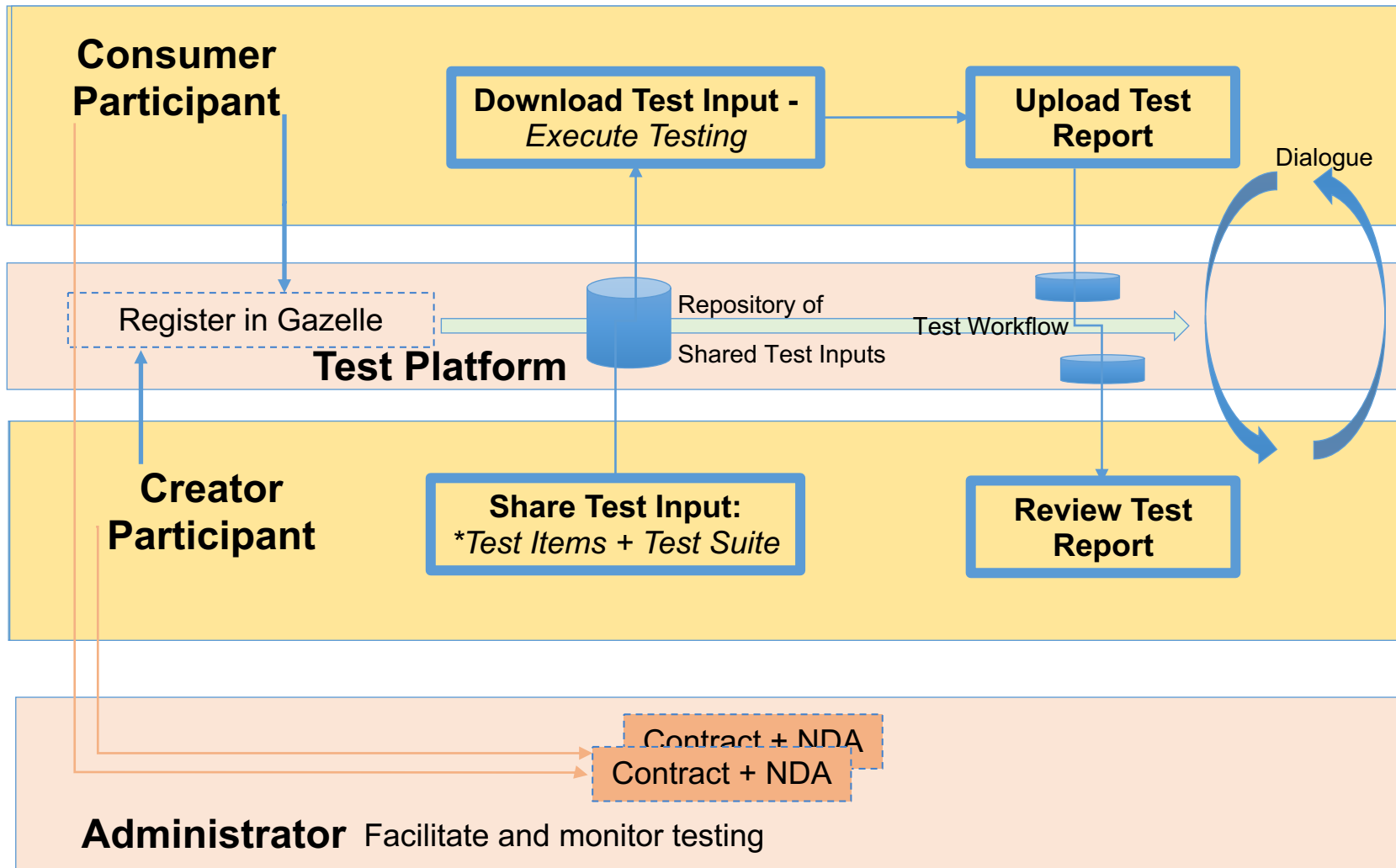


**Test Items = DICOM Datasets*

Test Suite = Intended testing for the Test Items

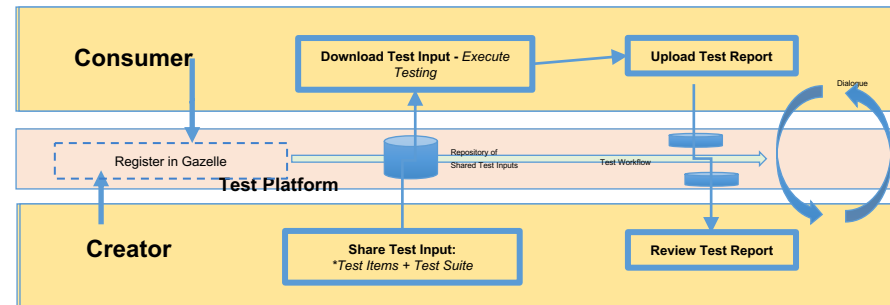
**Test Report = Test Suite with test results recorded*

Process Overview (2)



All Consumer participants access Shared Test Inputs made available by all Creators.

Consumer participants engaging in a test session for a Shared Test Input, to perform testing per the Test Suite provided by Creator.



- **Creator participants** of a specific Shared Test Input access corresponding test report(s) produced by Consumer(s),
→ Confidence for candid feedback from Consumer participants.
- **Creator participants** of content naturally encouraged to produce:
 - *quality Shared Test Input* with realistic Test Items (DICOM objects)
 - Simple but relevant test suite instructions to ensure meaningful testing by the Consumers.

Any vendor organization may participate in IHE SHARAZONE:

- With Released (or to be released) Product (Commercial or Open Source)
- Contract including NDA policies
- Yearly fee as either Creator Participant, Consumer Participant or both.

Complementary roles of SHARAZONE and CONNECTATHON™

TARGET	CONNECTATHON	SHARAZONE
Audience	Engineering & QA	Engineering & QA
Participants	Vendors & Open Source	Vendors & Open Source
Validation	Vendor IHE Capability	Pairs of Products/Version
PREREQUISITE	CONNECTATHON	SHARAZONE
Pre-Connectathon Tests	X	
IHE Connectathon Testing Passed		
Pre-production and Product	X	X
Specific Product version		X
TESTING	CONNECTATHON	SHARAZONE
Target	IHE Profiles	Object Content*
Collaboration & Remediation	X	X
Anytime & Asynchronous		X
Content Creator Test Suite		X*

* If IHE Content Profile available for specific Object (Test Item), Connectathon passed expected

Creator participants of content receive Test Reports from multiple Consumers that have chosen to test. This is instilling confidence that Products will interoperate as expected once deployed.

Consumer participants of content have access to controlled objects and test suites vetted by Creators. Test before deployment (“Upstream” approach)

All Participants operate in an open, neutral & safe environment

Managed by IHE-Europe & Operated by IHE Services

Founders of SHARAZONE: 10 companies:

- | | | |
|----------------------|---|-------------------------------|
| Visus* | - Agfa* | - GE Healthcare* |
| Philips | - Synedra* | - Carl Zeiss Meditech* |
| Siemens* | - Olympus* | |
| MedicalPHIT * | - Medical Communications/ASHVINS | |

** IHE-SHARAZONE Contract signed as of June 11th*

- Evaluate tooling and process with “live” content
- June 1 – September 10
- Limited to Founder Members, performing useful testing
- Collect feedback before public opening

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Let's hear from IHE SHARAZONE Participants



Piet Hein Zwaal
MedicalPHIT
Netherlands



Thorsten Conrad
VISUS
Germany

Annual participation fee.

Unlimited Products, Versions or Shared Test Inputs

Fees (€) are based on **company size and role** to attract *creator* products thus appealing to *consumer* products.

Participant Level	Creator Participant	Consumer Participant	Both
Large Vendors (>2500 FTE)	1000 €	4000 €	5000 €
Mid-Sized Vendor (250-2500 FTE)	500 €	2000 €	2500 €
Small Vendors (< 250 FTE)	200 €	800 €	1000 €

* Full Time Equivalent

- Service will be open to all after September 10, leveraging the seeding of the Founder Members.
- Expect an opening announcement early September.
- Your company may prepare joining by reviewing the **IHE SHARAZONE Contract** and submitting your signed contract starting July 1st.
- Request the IHE SHARAZONE Contract from:
secretariat@ihe-europe.net

- IHE-Europe thanks the IHE SHARAZONE Founder Companies for their commitment
- Confident in success of new testing service given efficiency of the test platform and critical mass of participants.
- The IHE SHARAZONE is championed by IHE-Europe and IHE-Services.
- Planning of effort has been coordinated by IHE Services Committee and four of its members within the *IHE SHARAZONE Task Force*: Andreas Klingler, Bruno Laffin, Steve Nichols, Charles Parisot.

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Questions & Answers