



"To Verify"

An Opportunity for Compliance Assurance and Oversight in EHR-Sourced Records

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Introduction

- ISO/HL7 10781 - Electronic Health Record System Functional Model, Release 2
- Normative Standard for both HL7 and ISO
- aka FM R2 or R2

R2's Record Infrastructure (RI) Section utilizes "Lifecycle Events" from ISO 21089 (now in revision)

Forward path is uncertain, "soft", and in flux

RI.1.1 24 + 3 Lifecycle Events

| |
|---|
| Originate and Retain RI.1.1.1 |
| Receive and Retain RI.1.1.8 |
| Amend RI.1.1.2 |
| Verify (Added Lifecycle Event #25) |
| Translate RI.1.1.3 |
| Attest RI.1.1.4 |
| View/Access RI.1.1.5 |
| Output/ Report RI.1.1.6 |
| Disclose RI.1.1.7 |
| Transmit RI.1.1.8 |
| De-Identify RI.1.1.10 |
| Pseudo-mynize RI.1.1.11 |
| Re-Identify RI.1.1.12 |
| Extract RI.1.1.13 |

| |
|---|
| Archive RI.1.1.14 |
| Restore RI.1.1.15 |
| Destroy or Identify Record Entries as Missing RI.1.1.16 |
| Re-Activate RI.1.1.18 |
| Merge RI.1.1.19 Function |
| Unmerge RI.1.1.20 |
| Link RI.1.1.21 |
| Unlink RI.1.1.22 |
| Legal Hold RI.1.1.23 |
| Legal Hold Release RI.1.1.24 |
| Encrypt (New) |
| Decrypt (New) |

Overview

- “*To Verify*”: Now available as a linchpin and critical opportunity for Record Authenticity and derivatives (Compliance and Program Integrity, Oversight)
- Upcoming ONC Workshop
- Identifying stakeholders

Action Options: Post Workshop

- HL7 gearing up-If/How to engage
- Stakeholder engagement required
 - Advancing ONC S&I Initiative for Lab Results (LRI) which created standing for “**To Verify**”
 - FHIR Initiative with “Verify” infrastructure
- Possible topic for RMES Profile R2
- Other entities, other areas of interest?

“To Verify”

“To evaluate the compliance of data objects with regulations, requirements, specifications, or other internally imposed conditions based on organizational policy. Contrast with validate.”

"To Verify"

- Could be automated
- Could start with a very small, minor requirement
- Could initially be voluntary (or optional with benefit(s))
- Could become increasingly complex over time

- Capability currently in progress (in nascent form) in upcoming version of FHIR* specification included in recent ballot.

- But...

"To Verify"

Needs...

- Advocates/End-users
- Use Case(s)
- Home Health, DME as CMS interest areas

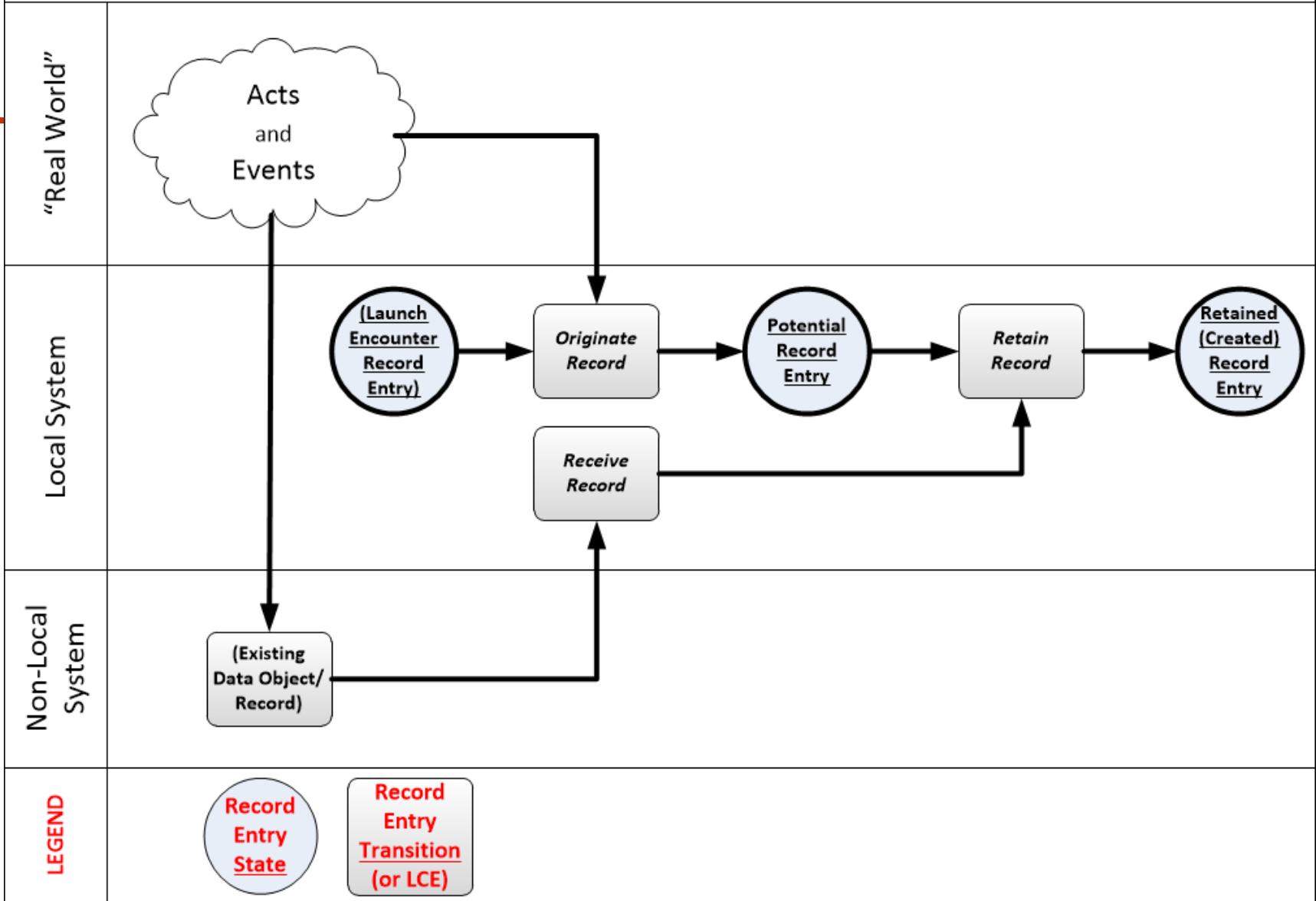
Launch opportunity

ONC Workshop: Using the Lab Results Interface (LRI) Implementation Guide as a "demonstration of current capacities"

Signal vendors: Building better EHRs as best option

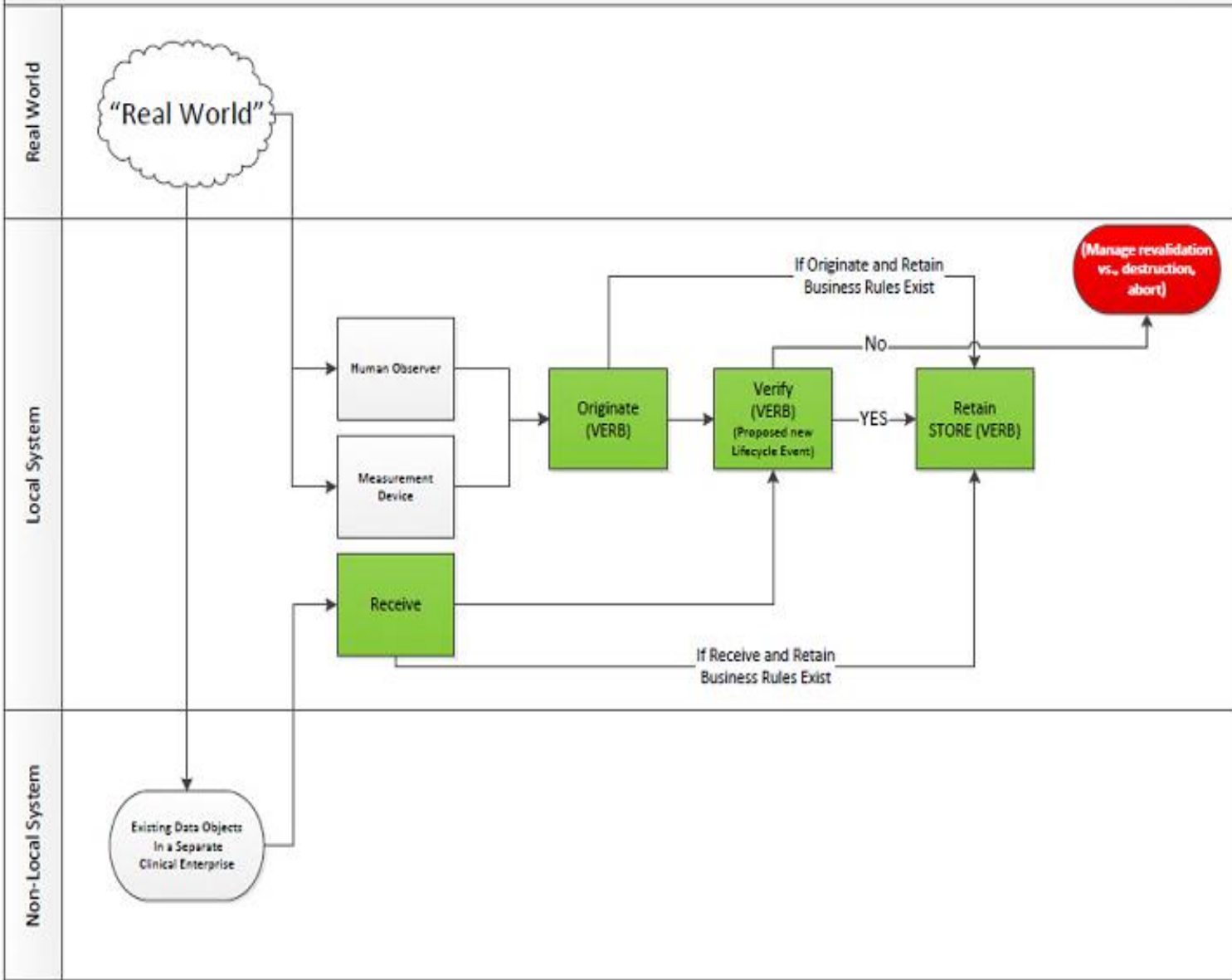
EHRs Capturing Real World Acts or Events into Record Entries (REs) via Record Lifecycle Events (LCEs)

Phase

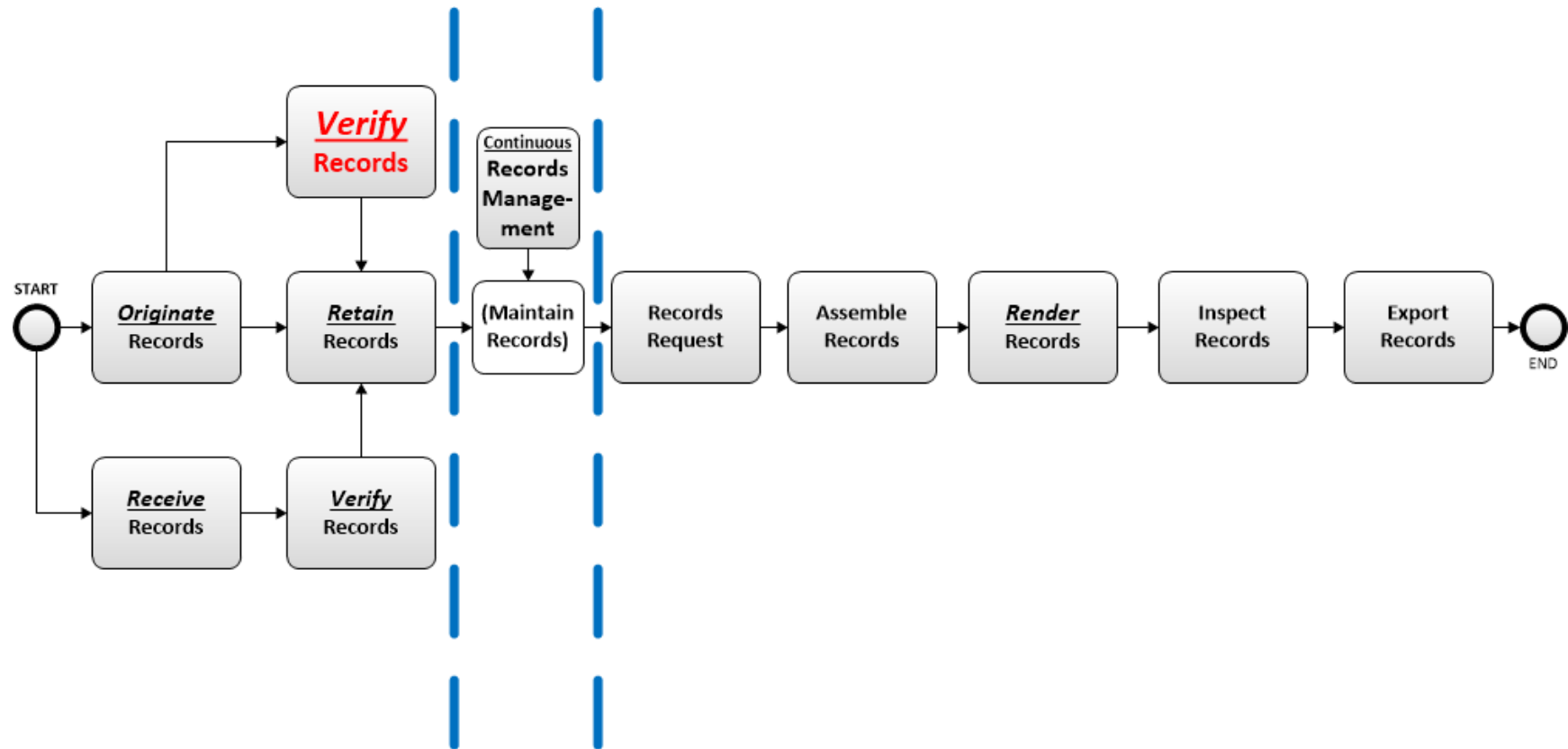


Schema: Core Lifecycle Events Relationships "Originate and Retain", "Receive and Retain", and Verify (New Event)

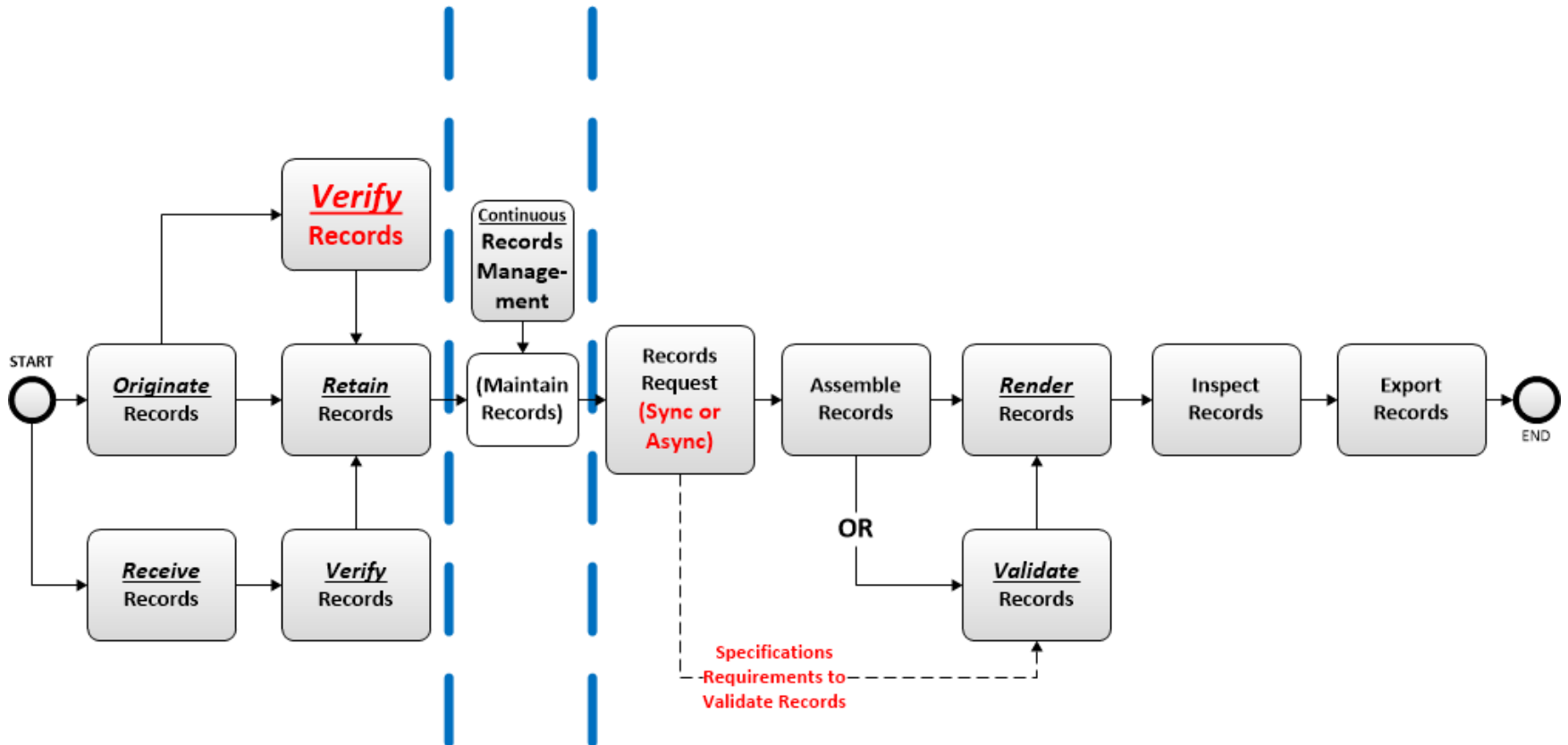
Phase



"To Verify" in Context of "Export"



Future: "To Validate" for "Export"



Summary

- Lab Results Implementation Guide established the “existence” of LCE “To Verify” as an operational requirement for Received Records (labs)
- FHIR is incorporating “To Verify” as an implementable function referencing End-User specific “Record Specifications” as a Resource Type.
- End Users of EHR-sourced Records can establish “Record Specifications”

“Specification” Potential Examples

Machine-readable specifications to be verified

1. Elementary: Yes vs. No: “Clinician (or org) has attested to compliance with applicable documentation guidelines as indicated at (end-user website here...)
2. Basic: EHR verifies that this Record Entry Origination event does (or does not) incorporate Record Specification (XYZ) for (End-Use ABC)
3. Minimal: EHR verifies that this Record Entry Origination event does/does not capture and attribute all authors per Record Specification (DEF)

Discussion, Questions

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