

Update on UCAIug Activities

Agenda

- Where we are today
- What Is Coming
- Improving Quality of Testing
- Resource Changes Coming

Summary of Current Conformance Testing

- 728 Products certified for Edition 1
- 311 Products certified for Edition 2 – more in process
- Breakdown:
 - 131 Clients
 - 23 Merging Units
 - 860 Servers

New Testing Instituted

- SCL Conformance for IED Configuration Tools and System Configuration Tools

Accredited Labs

- 12 Accredited Labs performing different classes of testing
- From a UCAIug perspective all UCAIug Conformance Certificates are equivalent.
- UL has expressed interest in becoming accredited.

What is Coming

UCA IUG Announces End-of-Life for IEC 61850 Edition 1 Conformance Certification



The UCA IUG is striving to improve its IEC 61850 Conformance Certification and ITCA process. It became apparent that a process is needed to allow the industry to determine when an older edition of IEC 61850 would no longer be accepted into its certification process. During the formulation of the process, IEC 61850 Edition 1 Certification was determined to conflict with the process. UCA IUG has determined that the target end-of-life for IEC 61850 Edition 1 Certification will be December 31st, 2020. The specifics on the revised process and the end-of-life of IEC 61850 Edition 1 Certification can be found at www.ucaiug.org under Press Releases.

New Conformance Areas

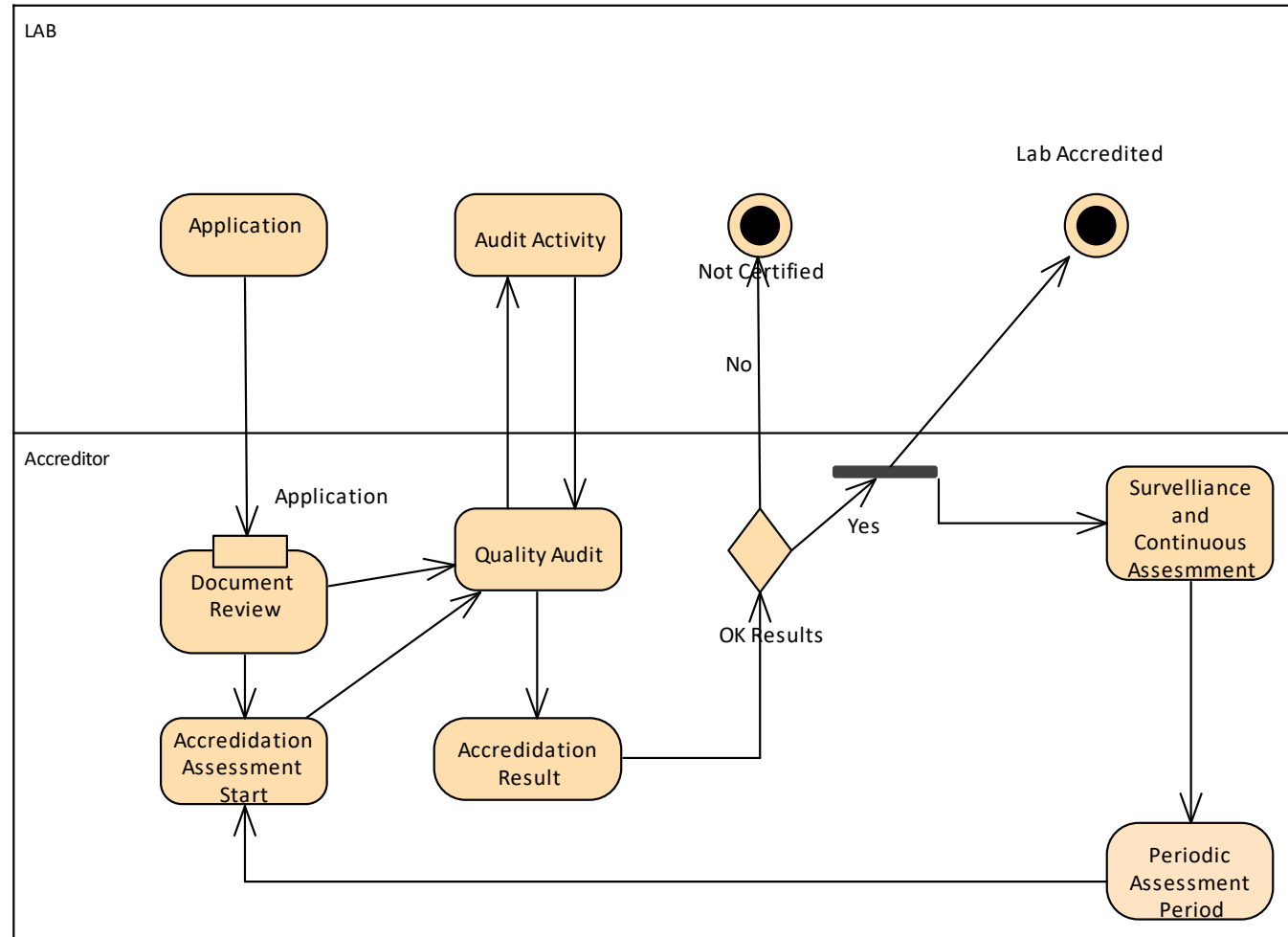
- CIM
- OpenFMB

Conformance Test Quality Improvements

Testing Quality Improvement

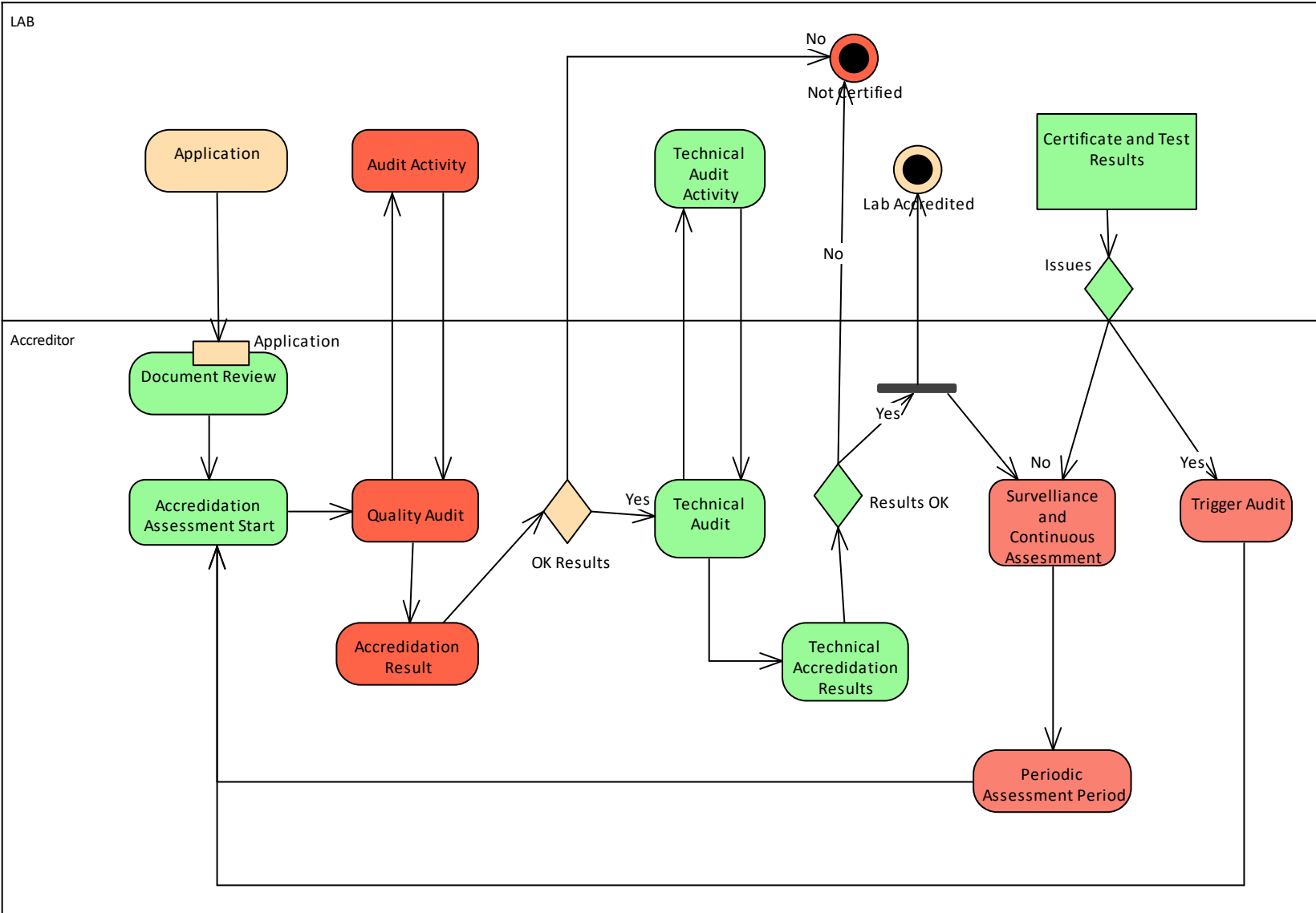
- UCAIug Board authorized investigation and establishment of a UCAIug Interoperability **Testing & Certification Authority (ITCA)** process based upon ISO 17025 processes.
 - Interoperability Testing (well underway)
 - Improve quality of IEC 61850 accreditation and certification process.
 - Establish processes for CIM and OpenFMB.

ISO 17025 Process



UCAlug Envisioned Process

- Performed Today
- Needs Improvement or is lacking



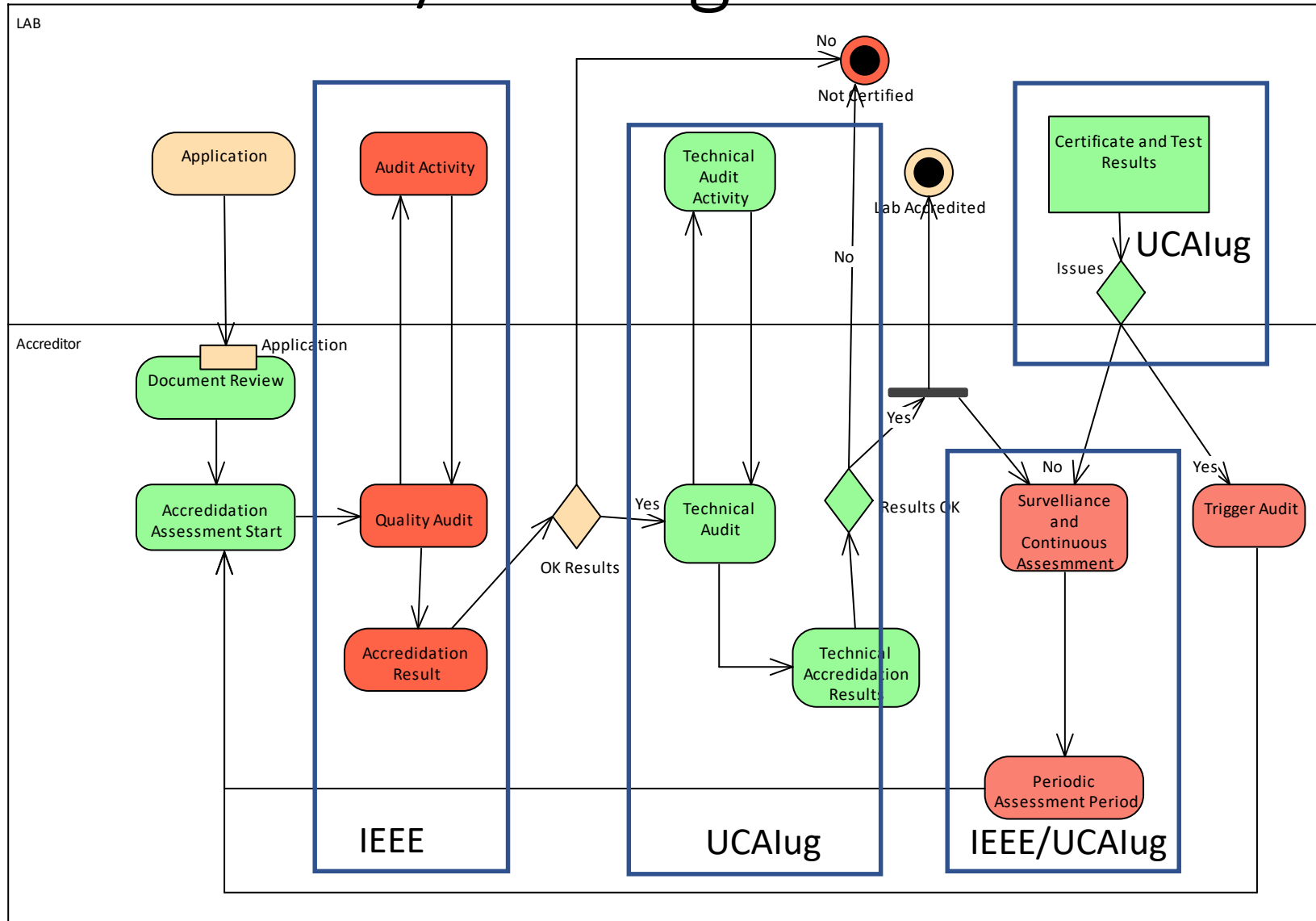
Main Requirements

- **Accreditation Body (AB)** is recognized Internationally
- Need to be able to audit quality of the organization related to specific domains and to ISO 17025 (not requiring ISO 17025 certification*)
- UCAIug's need to control the process:
 - Deal with one and only one AB organization
 - Approval of technical resources utilized for accreditation
 - Ability to be transparent and involved
 - Remain Certification Body

Accreditation Processes and Assistance Evaluated From:

- ANSI – Perceived as US only
- IEC
 - Allows multiple country-based ABs to perform accreditation
 - Process allows accredited test labs to perform supervision function
- IEEE

Overview of IEEE/UCAlug as ABs and CBs



Moving Forward

- Present intended path to UCAIug Membership to receive feedback.
- Discuss feedback with the UCAIug Board.
- Given board approval, proceed.

Resource Changes

What is Coming

- Changing of collaboration and website
- Re-activation of Help Desk
- Quarterly NewsLetter