Agenda Spring 2023
C57.157-TF Functional Life Tests on Switch Contacts
Tuesday, March 21, 2023, 8:00-9:15am
Gilpatrick (1st floor)
Hyatt Regency; Milwaukee, WI USA

- Call to order
- Present Agenda
- Presentation of IEEE Standards Slides
    - Call for Patent Claims & Copyright Notice
- Pass out attendance sheets, introductions, and quorum check
    - 16 members so 9 members needed for quorum
    - Membership Retention Rules: Attended 2 of the last 3 meetings
    - Membership Addition Rules: Attend 2 meetings and Request Membership(via email or sign-in sheet)
- Review/Approval of Agenda and 2022-Fall-Charlotte meeting minutes
- Chair Announcements
    - Document set to expire by December 2025
    - This task force is to determine work needed for this standard and create a PAR for revision if needed
- Old work
    - Request was made to share previous presentations that were used to develop this guide standard
        - Chair posted previous presentations and 2015 C57.157 standard on IEEE Collabratec and IEEE TC Power Transformer Subcommittee pages
    - Members of this task force were tasked to review current guide standard and previous presentations before Spring 2023 meeting and make suggestions as to what recommendations they have for this guide standard.
- New work
    - Chair to ask for a motion to create a PAR to revise C57.157-2015:
    - **Title:** Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid Filled Transformers
    - **Scope:** This guide is intended for use in establishing a methodology to evaluate expected long-term performance of infrequently operated switch contacts used within insulating liquid–immersed transformers. These switch contacts are typically found in de-energized tapchangers, dual voltage switches, reversing switches, on-load tapchangers, and step-voltage regulators, but the test might possibly be used to evaluate any contact that is used in insulating liquids with similar operating characteristics and within similar environments.
    - **Purpose:** This guide outlines a test method to simulate long-term life (minimum 30 years) of a de-energized tapchanger in a period of 30 test days by using a combination of elevated liquid temperatures in conjunction with cyclically elevated load currents. The test is performed on specific switch bodies with specific contact materials, geometries, and contact pressures in liquid baths so as to closely parallel conditions found in actual operation. The variable that provides the accelerated life simulation is the switch contact temperature.
- Adjournment