Update and Status of Select ANSI C63 Standards

TCB Workshop
October 14th, 2020
C63.4: Unintentional Emissions Measurements

- Motion to forward draft standard to Parent Committee for balloting narrowly passed in March 2020.
- Parent Committee requested that the Working Group explore options to achieve consensus.
- Subsequently, WG Chair temporarily sidelined for health reasons and Vice Chair resigned upon employment change.
- Working Group voted on 10/8 to approve an option to facilitate consensus under new Vice Chair.
  - Retain the “should” modal verb (optional) for the maximation (2 dB rule) procedure as normative but make it “shall” (required) in the informative Annex K.
  - Provides industry time to familiarize with the procedure in Annex K while also providing labs with a method for use in scrutinizing amplitude measurements when necessary.
C63.25.1: Radiated Test Site Validation Methods 1-18 GHz

- New standard published in March 2019
- Specifies methodologies for calibrating radiated test sites that are currently defined in C63.4 standard but which are being transitioned into a new series of standards being developed and maintained by C63.25 Working Group.
  - C63.25.1 is the first in the series and covers the 1-18 GHz frequency range.
  - C63.25.2 is the second in the series and will cover the 30-1000 MHz frequency range.
    • Currently in editing and progressing rapidly.
- Petition for rulemaking request for FCC to adopt new C63.25.1 Standard is currently pending.
Draft revision of C63.10-2014 approved by the ANSI Board of Standards Review on September 9th, 2020.

Final publication pending.

Working group has suspended activity until work on a new version begins.
Revision to C63.26-2015 standard proceeding.

mmWave Task Group meeting regularly to explore possible alternative test sites for radiated tests in millimeter-wave region of the electromagnetic spectrum, e.g.,
- Compact Antenna Test Range (CATR),
- Reverberation Chamber.
C63.29: Lighting Products

- Developing new standard to include procedures for compliance testing of general illumination lighting products.

- Finalizing procedures for compliance testing of dimmer switches.
  - Some controversy within WG as to how compliance tests should be performed.

- Task Group being established to focus on dimmer testing.

- Completion likely delayed pending Task Group progress.
C63.30: Wireless Power Transfer Products

- Provides procedures for compliance testing to applicable regulatory requirements for different types of Wireless Power Transfer products such as:
  - large in-situ installations,
  - electric vehicles,
  - desktop chargers, etc.

- Test procedures focus on radiated field and conducted measurements.

- Draft standard has been finalized.

- Balloting group now being formed by IEEE secretariat.
C63.31: ISM Equipment

Developing general and *in-situ* procedures for regulatory compliance testing of traditional ISM equipment such as:

- industrial heaters,
- dielectric heaters,
- food tempering equipment,
- microwave ovens,
- medical diathermy equipment, etc.

Draft standard progressing

- Test site requirements and handling of *in-situ* test sites have been resolved.
- Test setups and methodologies undergoing development.

The record for this proceeding has now closed.  

Next step is for Commission to adopt and release a Report and Order (R&O).  

No specific time frame for R&O has been established but will likely be driven by March 1, 2021 HAC volume control deadline.
Questions?