



Updating References to Standards Related to the Equipment Authorization Program

TCB Workshop
April 26th, 2023



Notice of Proposed Rulemaking (NPRM) to Adopt Equipment Authorization-Related Standards

- FCC presentation to TCB Workshop in April 2022 briefed an NPRM adopted by the Commission on January 24th, 2022, as FCC 22-3 and published in the Federal Register on March 17th, 2022, in ET Docket Number 21-363.
- The NPRM proposed to incorporate by reference (IBR) a number of Equipment Authorization (EA) related standards and asked questions about other necessary rules modifications.
- FCC presentation to TCB Workshop in October 2022 reported that the comments received were under review and that a final Report and Order was in preparation



Report and Order

- On March 10th, 2023, the Commission adopted a Report and Order (FCC 23-14) that updates the rules to incorporate by reference (IBR) four new and/or updated standards that are integral to equipment testing.
 - The R&O was released on March 14th, 2023, but has not yet been published in the Federal Register
- Incorporates by reference **ANSI C63.25.1**: "*American National Standard Validation Methods for Radiated Emission Test Sites; 1 GHz to 18 GHz*" into sections 2.910 and 2.948(d) of the FCC rules.
 - Consolidates legacy site validation test procedures from C63.4 and CISPR 16-1-4 and provides an option for use of a time-domain based site validation methodology.
 - No need to adopt a transition period since previous methodology is retained.



Report and Order (continued)

- Updates sections 2.910(c)(2), 2.950, 15.31(a)(3), and 15.38(g)(4) to IBR **ANSI C63.10-2020**: "*American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices*" as replacement for ANSI C63.10-2013 in the FCC rules.
 - Permits usage of either version of C63.10 for two years following the effective date of the rules adopted in the Order
- Adopts **ANSI C63.4a-2017** amendment through incorporation by reference into sections 2.910, 2.948, 2.950, 15.31, 15.35, and 15.38 of the FCC rules while retaining existing IBR of C63.4-2014
 - Retention of existing C63.4-2014 standard while also adopting the amended standard makes either option available for unintentional radiators.
 - No specified transition period.



Report and Order (continued)

- Incorporates by reference **17025:2017(E)**: “ *General Requirements for the Competence of Testing and Calibration Laboratories*” into sections 2.910, 2.948, 2.949, 2.950, 2.962, and 68.62 of the Commission’s rules as replacement for ISO/IEC 17025:2005(E).
 - Replaces certain prescriptive requirements with performance-based requirements for test laboratory accreditation
 - Permits the use of either ISO/IEC 17025:2005(E) or ISO/IEC 17025:2017(E) for a period of two years following the effective date of the rules adopted in the Order
- Adopts proposal to delete references to: ISO/IEC Guide 58:1993(E), First Edition 1993; ISO/IEC Guide 61:1996(E), First Edition 1996; and ISO/IEC Guide 65:1996(E) from section 2.910 and the related transition periods from section 2.950 of the Commission’s rules.