

Testing Laboratory and TCB KDB Publication Updates

Office of Engineering and
Technology
Laboratory Division
April 2018



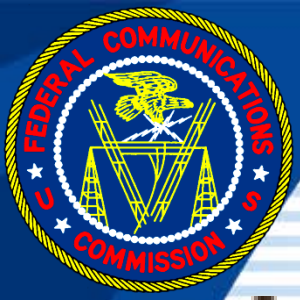
Overview

- Accredited Testing Laboratories Publication Updates
 - 974614-Accredited Test Lab Roles & Responsibilities
 - 853844-Accredited Test Lab FCC Assessment Checklist
- TCB Publication Updates
 - 641163-TCB Program Roles and Responsibilities
 - 668797-TCB Accreditation Checklist
- MRA Publication Update
 - 901874-Telecom MRA
- Equipment Authorization Electronic Filing System (EAS) update



Accredited Testing Laboratory Roles and Responsibilities

- KDB Publication 974614 D01
 - Update Summary (March 2, 2018)
 - Removed old versions of ANSI C63.4 and C63.10
 - Added ANSI C63.26;2015
 - Added ANSI/TIA-603-E;2016
 - Added ANSI/TIA-102.CAAA-E;2016
 - Added ANSI C63.5;2017
 - Updated Scope Table for new rule parts
 - 30, 95L, 95M, and 96
 - » Added to Microwave and Millimeter Wave Scope
 - Clarified “non-Microwave” to above or below “3GHz”



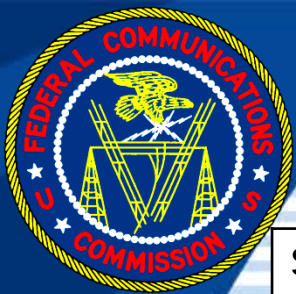
Accredited Testing Laboratory Roles and Responsibilities II

- KDB Publication 974614 D01
 - Update Summary (continued)
 - Removed references to 2,948 listed labs
 - Updated for FCC 17-93 SDoC changes
 - Added KDB 940660 for Part 96 CBRS
 - Updated versions of multiple KDB references
 - Added ISO/IEC 17011:2017 and 17025:2017
 - New version is optional until FCC changes in rules
 - Transition
 - New standards may be used immediately
 - Previous standards may be used until March 2, 2020 until KDB or rules specify different transition date



KDB 974614 Scopes for 17025 Labs

FCC Scope	Test Method(s)	Additional Guidance
Unintentional Radiators (FCC Part 15B)	<ul style="list-style-type: none"> ANSI C63.4-2014 	
Industrial, Scientific, and Medical Equipment (FCC Part 18)	<ul style="list-style-type: none"> FCC MP-5 (February 1986) 	
Intentional Radiators (FCC Part 15C)	<ul style="list-style-type: none"> ANSI C63.10-2013 	
UPCS (Part 15D)	<ul style="list-style-type: none"> ANSI C63.17-2013 	
UNII without DFS Intentional Radiators (FCC Part 15E)	<ul style="list-style-type: none"> ANSI C63.10-2013 	<ul style="list-style-type: none"> KDB Publication 789033
UNII with DFS Intentional Radiators (FCC Part 15E)	<ul style="list-style-type: none"> KDB Publication 905462 D02 UNII DFS Compliance Procedures new rules v02r01 	
UWB Intentional Radiators (FCC Part 15F)	<ul style="list-style-type: none"> ANSI C63.10-2013 	
BPL Intentional Radiators (FCC Part 15G)	<ul style="list-style-type: none"> ANSI C63.10-2013 	
White Space Device Intentional Radiators (FCC Part 15H)	<ul style="list-style-type: none"> ANSI C63.10-2013 	



KDB 974614 Scopes for 17025 Labs II

Scope	Test Method(s)	Additional Guidance
Commercial Mobile Services (FCC Licensed Radio Service Parts 22(cellular), 24, 25(below 3GHz), and 27)	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) TIA-102.CAAA-E (2016) ANSI C63.26-2015 	<ul style="list-style-type: none"> KDB Publication 971168
General Mobile Radio Services (FCC Licensed Radio Service Equipment - 22(non-cellular), 90, 95, 97 and 101 (below 3GHz))	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) TIA-102.CAAA-E (2016) ANSI C63.26-2015 	
Citizens Broadband Radio Service (FCC Licensed Radio Service Equipment – Part 96)	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) TIA-102.CAAA-E (2016) ANSI C63.26-2015 	<ul style="list-style-type: none"> KDB Publication 971168 KDB Publication 940660
Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment – Part 80 and 87)	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) 	
Microwave and Millimeter Band Radio Services (FCC Licensed Radio Service Equipment – Parts 25,30, 74, 90 (M DSRC, Y, Z), 95(L, M) and 101)	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) TIA-102.CAAA-E (2016) ANSI C63.26-2015 	
Broadcast Radio Services (FCC Licensed Radio Service Equipment – Parts 73 and 74(below 3GHz))	<ul style="list-style-type: none"> ANSI/TIA-603-E (2016) TIA-102.CAAA-E (2016) ANSI C63.26-2015 	
RF Radiation Exposure – (FCC devices subject to SAR requirements)	<ul style="list-style-type: none"> IEEE Std 1528™-2013 	<ul style="list-style-type: none"> KDB Publication 865664 KDB Publication 447498
Hearing Aid Compatibility (FCC Part 20 – HAC for commercial mobile services)	<ul style="list-style-type: none"> ANSI C63.19-2007; or ANSI C63.19-2011 	
Signal Boosters(FCC Part 20–wideband consumer, provider specific & Industrial and Section 90.219)	<ul style="list-style-type: none"> ANSI C63.26-2015 	FCC KDB Publication 935210 attachments D03, D04, and D05



KDB 974614 D02 Accreditation Body Recognition

- Updated publication 974614 D02
 - Update Summary (March 2, 2018)
 - Updated versions of ISO/IEC 17011 and 17025
 - Removed 2,948 listed lab info
 - Added FCC 17-93 SDoC info
 - Recent Accreditation Body Activity per 2.949
 - ANAB/LAB FCC recognized to assess and designate laboratories in multiple non-MRA countries
 - Perry Johnson Laboratory Accreditation (PJLA) FCC Recognized to assess and designate domestic testing laboratories
 - Other Accreditation Activity
 - WinnForum/CBRS Alliance is establishing an accreditation program for Part 96 Citizens Broadband Radio Service (CBRS) devices
 - Managed by CTIA
 - This is different program than FCC Accredited Lab Recognition Program



Accredited Testing Laboratory FCC Technical Assessment Checklist

- KDB Publication 853844
 - Update Summary (March 2, 2018)
 - Removed old versions of ANSI C63.4 and C63.10
 - Added ANSI C63.26;2015
 - Added ANSI/TIA-603-E;2016
 - Added ANSI/TIA-102.CAAA-E;2016
 - Added ANSI C63.5; 2017
 - Added KDB reference table



TCB Program Roles and Responsibilities

- KDB Publication 641163
 - Update Summary (March 2, 2018)
 - Updated for consistency with KDB 974614
 - Updated standards per rule changes and specified year of recognized standard
 - » ANSI C63.26:2015
 - » ANSI/TIA-603-E:2016
 - » ANSI/TIA-102.CAAA-E:2016
 - » ISO/IEC 17065:2012
 - Updated to allow use of 2017 editions of ISO/IEC 17011 or 17025
 - Clarified “non-microwave” breakpoint as 3 GHz
 - Updated Table 3 to add new rule parts (30, 95L, 95M, and 96) and KDB publications (KDB 940660)
 - Moved Part 96 from TCB Scope B2 to TCB Scope B4
 - Updated TCB scope names for new rule parts



TCB Program Technical Assessment ISO/IEC 17065:2012 Checklist

- KDB Publication 668797
 - Update Summary (March 2, 2018)
 - Updated for consistency with KDB 641163 TCB Roles and Responsibilities
 - Update for FCC 17-93 rules changes for SDoC
 - Update Standards and added year reference
 - Added links to KDB's
 - Update TCB scope names for new rule sections
 - Update to clarify "non-microwave" to 3GHz and organize related questions in TCB scopes B2 and B4
 - Update to add question on ISO/IEC 17025:2017



Telecom Mutual Recognition Agreement (MRA) KDB

- KDB Publication 901874-Telecom MRA
 - Update Summary (March 2, 2018)
 - Updated standards per rule changes and added reference year for each standard
 - Updated to allow use of 2017 versions of ISO/IEC 17011 or 17025
 - Updated stakeholder table to reference website
 - Update to account for non-MRA country lab recognition



Equipment Authorization Electronic Filing System (EAS) Update

- Database drive replacement
 - March 1, 2018
- EAS Redesign
 - TCB input to 731 changes
 - TCB beta test
- FCC 17-93
 - New equipment classes for devices subject to SDoC but optionally being Certified which are not covered by existing equipment classes
 - JAD - Part 15 Class A Digital Devices
 - JAB - Part 15 Class B Digital Devices
 - JAV - Other Non-Digital SDoC Devices
 - FCC is reviewing other equipment class modifications that may be required
 - After November 2, 2018 DXT will need to change