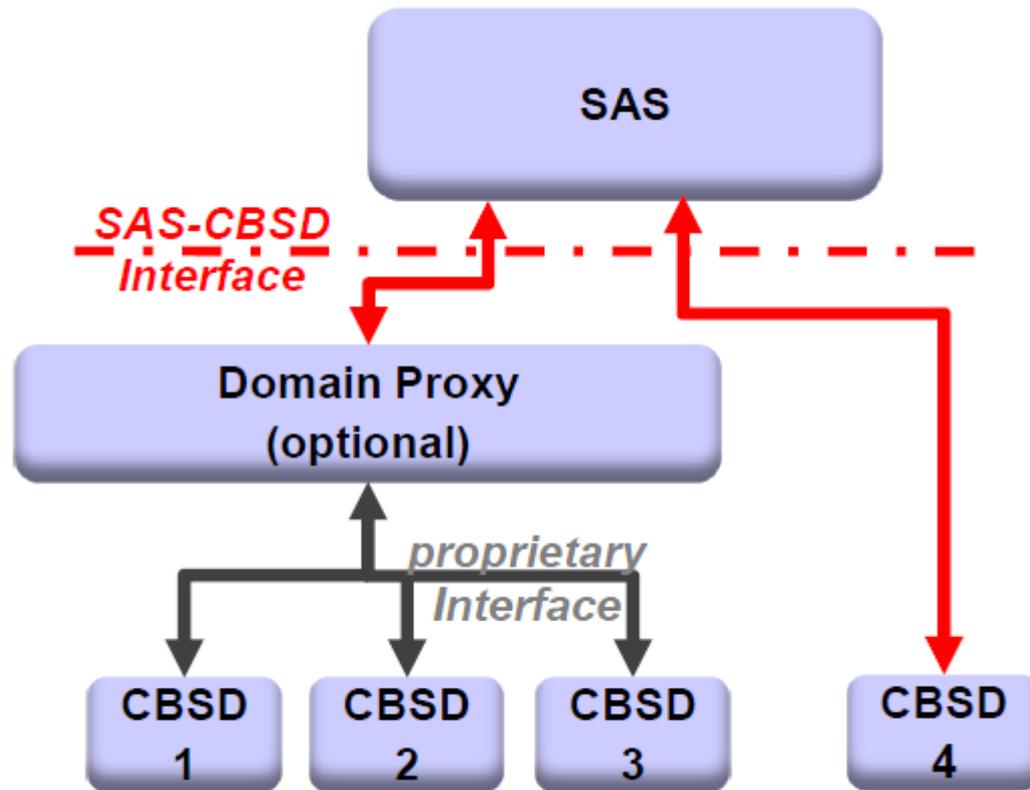


CITIZENS BROADBAND RADIO SERVICE DEVICES (CBSDs) Part 96 (KDB Publication 940660)

Corey Cahill



CBSD testing with authorized SAS





CBSD testing with authorized SAS

- **Devices may use SAS emulator developed by Wireless Innovation Forum (WInnForum) to show compliance**
 - Test Harness software available on [Github](#)
 - Test Laboratory must be recognized by WInnForum
 - *§96.39(g) Device security*
 - WInnForum test specification includes procedure for generation of PKI certificates by test lab and manufacturer
- **Devices not using WInnForum protocol**
 - Identify specific SAS used to demonstrate compliance in PAG



CBSD Equipment Class

● CBSD

- Equipment class CBD
 - Category A, Category B
 - A device that can operate as either a Category A or Category B device may be certified under a single FCC ID and would be subject to the limits of a Category B CBSD and professional installation

● End User Device

- Equipment class CBE

● Customer Premise Equipment (CPE)

- Rules do not define a category for CPE
 - CBSD – device operation coordinated by an authorized SAS
 - End User Device – device authorized and controlled by authorized CBSD



CBSDs and End User Devices

- **CBSDs and End User Device are on the PAG list**
 - CBSDs will require sample testing at the FCC LAB
- **§96.47 - End user device additional requirements**
 - Required to demonstrate the capability to transmit only after receiving authorization from a CBSD
 - *Currently no authorized CBSDs to assist demonstrating this*
 - Devices initially authorized without LTE Band 48 may be authorized for operation under Part 96 rules if they comply with the permissive change rules (KDB Publication 178919).