

WINNFORUM 6 GHZ UPDATE

December 15, 2022



General

- **On Nov 2, FCC finally issued PN on conditional approval of all 13 AFC system operators and outlined next steps for AFC certification.**
- **PN indicates WinnForum-approved test labs for CBSD cert are approved by FCC to test AFCs; those labs seeking WinnForum approval will submit an application to WinnForum pursuant to TS-5009 (AFC System ATL Requirements Specification)**
- **Met with FCC staff on Dec 7 to brief on TS-1014 and issues with FCC's Universal Licensing System.**
- **Planning webinar on TS-1014 and AFC testing**
- **Documents being shared back and forth with Wi-Fi Alliance and are under review**



Functional Specification

- **WINNF-TS-1014-V1.1.0-r5.2 (towards v1.2.0) 6 GHz “Functional Requirements for the U.S. 6 GHz Band under the Control of an AFC System”** cleared final ballot on Oct 28
- **Sent to FCC for review on Oct 31 (AFC cert PN released two days later)**
- **Incumbent Information TG**
 - WINNF RC-1010: “Recommendations for Addressing Blank, Uncollected, Erroneous, or Conflicting Database Elements for Incumbent Systems in the U.S. U-NII 5 & 7 Bands for the Purpose of Automated Frequency Coordination System”
 - WINNF-TS-5008-V1.0.0 -r6.0 (Towards 1.1.0) 6 GHz “Supplementary Data Repositories” cleared ballot
 - Dealing with languishing data issues mostly related to antenna patterns
 - Documented issues with ULS to discuss with FCC
- **Interference TG**
 - Complete for now
- **Security TG**
 - Working on a Technical Report identifying options for dealing with issues related to AFC and device authentication

Test & Certification

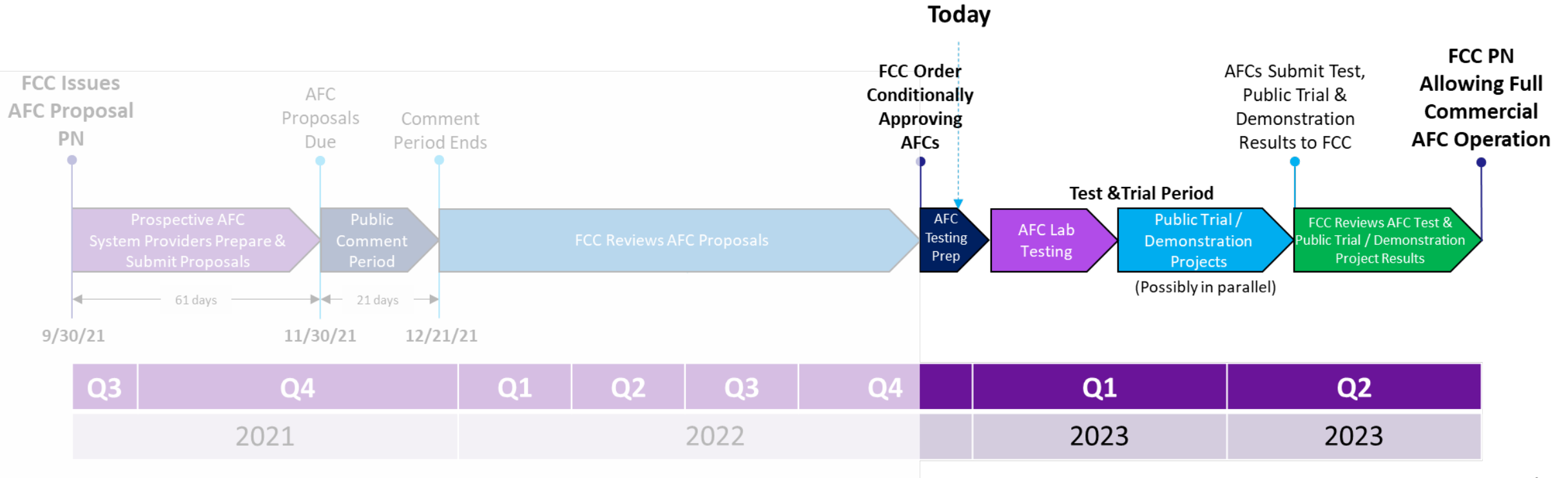
- **WINNF-TS-4007-V0.0.1-r0.1 (towards V1.0.0) 6 GHz Test and Certification.docx**
- **Developing Test Vectors**
- **Working on Statement of Work with CITA on managing the test lab approval for WinnForum**

Protocols

- **Signaling Protocols and Procedures for 6 GHz Band; AFC System - Standard Power Device - Interface Technical Specification**
- **WINNF-TS-3005-V1.0.0-r6.0 (towards V1.1.0) AFC System - SPD Interface Technical Specification**
- **WINNF-TS-3007-V0.0.0-r6.0 (towards V1.0.0) AFC System to SPD Interface Technical Specification**

AFC System Test & Certification Steps and Timeline

(Best-guess estimate, very likely to change)



Not to scale

Note: Timeline based on steps outlined in FCC Public Notice (PN) DA 22-1146 plus assumptions and experience with FCC certification.

