

6 GHZ COMMITTEE RELEASE PLAN

**Approved by the 6 GHz Committee Steering Group
11 May 2022**



Slide #1



Participants: 196 individuals from 60 Organizations

Members

- Airspan
- Amdocs
- Aruba, an HPE Company
- AT&T
- Baylor University
- C3Spectra
- CableLabs
- Cambium Networks
- Charter Communications
- Cisco Systems
- Comcast
- Commscope
- Communications Research Centre Canada
- CTIA
- Ericsson
- Fairspectrum
- Federated Wireless
- Google
- Intel
- NTIA/ITS
- iPosi
- L3Harris
- Midco
- MITRE Corp
- Motorola Solutions
- NCTA
- NIST
- Nokia
- Optimum Semiconductor Technologies
- Pathfinder Wireless
- Qualcomm
- RED Technologies
- Redline Communications
- Rohde & Schwarz
- Samsung Networks
- Sercomm
- Shared Spectrum Company
- Shure
- SOLiD
- Sony
- Sporton International
- T Mobile
- Tarana Wireless
- US Cellular
- U of Colorado – Boulder
- UWB Alliance
- Verizon
- WISPA

Guests

- APCO
- Aviat
- Broadcom
- EPRI
- Evergy
- FWCC
- Intel
- ISED
- National Grid
- Southern Company
- UTC
- Vivint



What has been completed thus far: WINNF-TS-1014

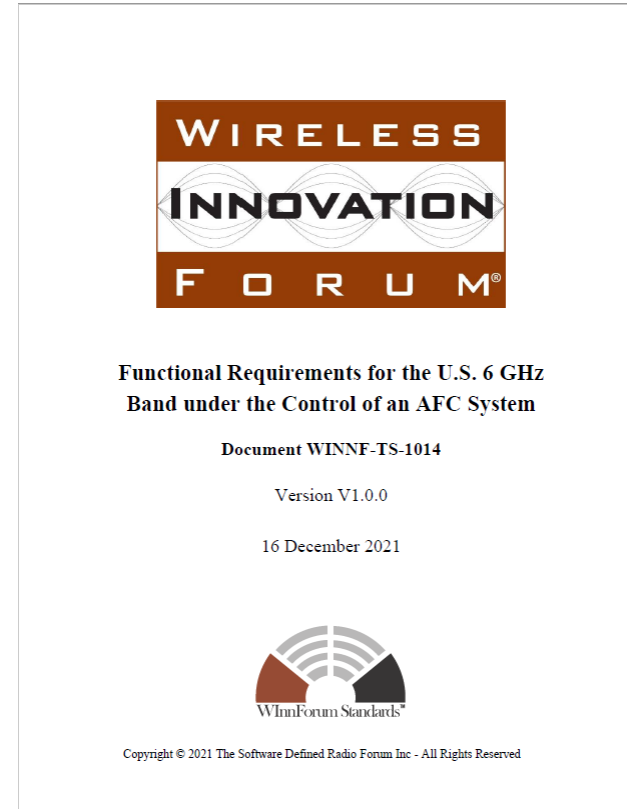
Scope

- The scope of this technical specification is to define the functional requirements for the AFC System, AFC System Operator, Standard Power Access Points, Fixed Client Devices and Proxies and to specify the necessary standards to enable test and certification procedures for a properly functioning environment in the 6 GHz band.
- Document is Air Interface Technology agnostic: works for WiFi, 3GPP, Proprietary, Etc.

Highlights 4 levels of requirements

- R0-: Requirements directly from FCC rules
- R1-: Requirements derived from FCC rules or from the text of an applicable FCC order
- R2-: Requirements imposed by WInnForum to meet FCC rules
- R3-: Requirements imposed by WInnForum to meet industry needs.

Testing against R0, R1 and R2 requirements necessary to fully meet FCC rules



What Else has Been Completed



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 Systems”

Draft Traceability Matrix

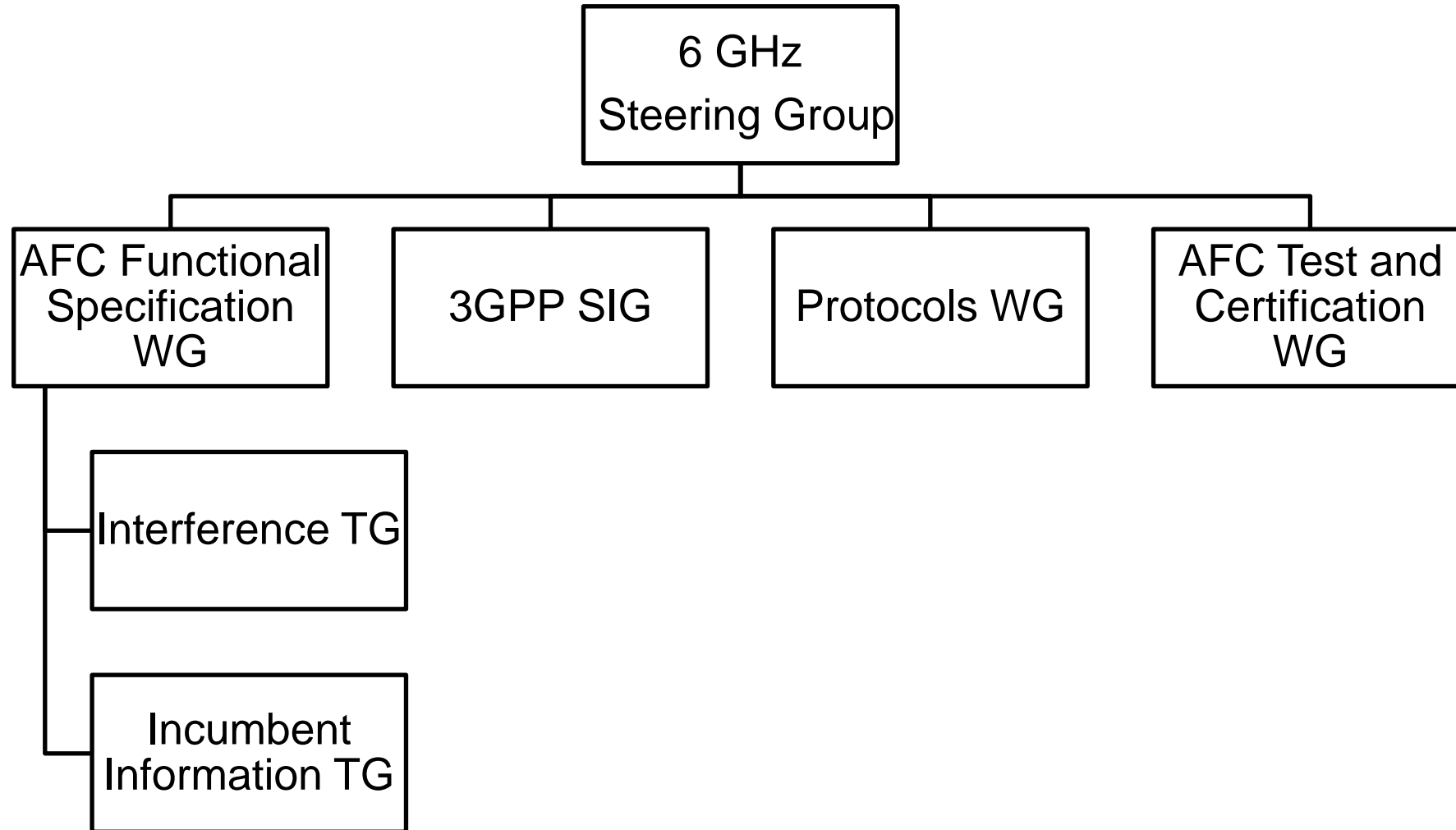
- Used to map system tests to specific R0, R1 and R2 requirements

Endorsement of WiFi Alliance AFC System to Device Interface specification

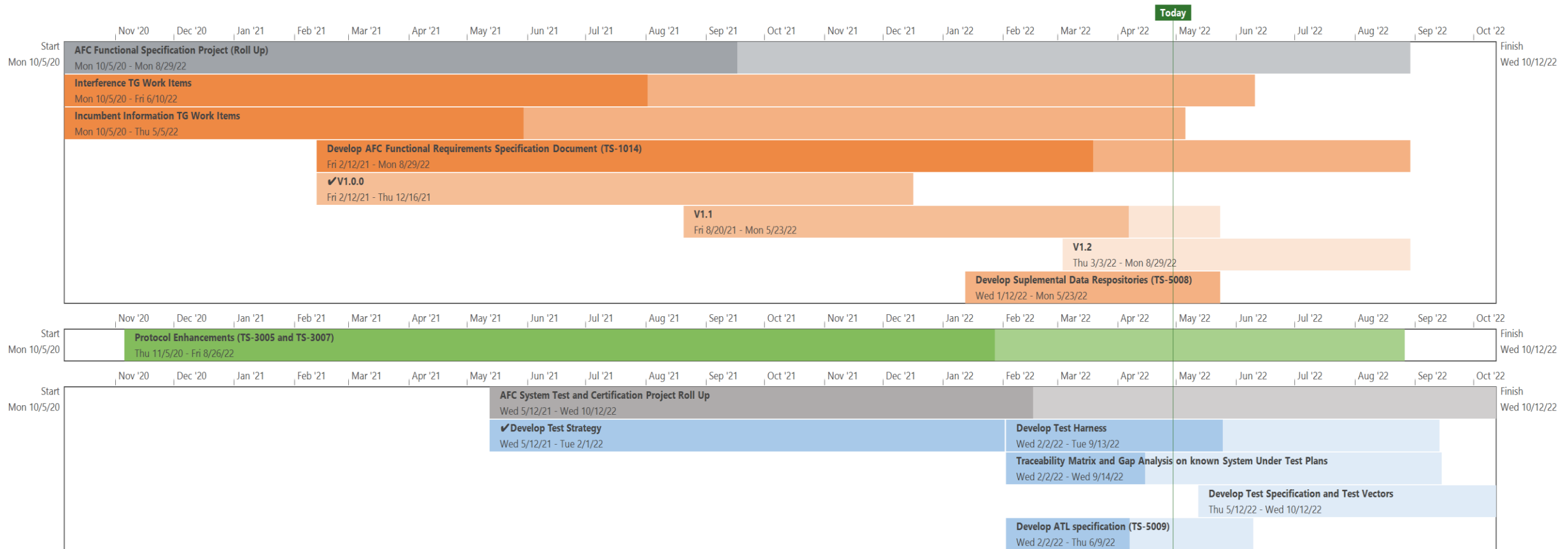
WINNF-TS-3005

- Signaling Protocols and Procedures for 6 GHz Band; AFC System - Standard Power Device Interface Technical Specification
- Specifies “specific extensions to the AFC System – Proxy/SPAP/FCD Interface in accordance with “AFC System to AFC Device Interface Technical Specification”

Committee Structure



6 GHz Committee Timeline



Note: WINNF-TS-1014-V1.2.0 is expected to be the stable version required for test and certification of AFC Systems



Topics Currently Being Discussed for TS-1014-V1.2.0

Parameters for Propagation Models

- ITM
- WINNER II
- BEL
- Clutter

Passive Repeaters/Reflectors

- Calculations
- Missing data

2D Fixed Service Antenna Patterns

Outstanding Protocol Requirements

Selection of Fixed Service Receiver Bandwidth

Security

- AFC System Authentication

Other Miscellaneous Change Requests