

# NSMA 2022 6 GHz Panel Discussion



Thomas M. Willis - AT&T Labs

**Federal Communications Commission**

**FCC 20-51**

**Before the  
Federal Communications Commission  
Washington, D.C. 20554**

In the Matter of )  
)  
Unlicensed Use of the 6 GHz Band ) ET Docket No. 18-295  
)  
Expanding Flexible Use in Mid-Band Spectrum ) GN Docket No. 17-183  
Between 3.7 and 24 GHz )

FCC introduced new Part 15.407 rules for unlicensed use of the 6 GHz Band.

- 1) Low Power Indoor use
- 2) Automatic Frequency Coordination (AFC) controlled Standard Power use

Also called for a 6 GHz Multi-Stakeholder Group to “address issues specific to technical and operational issues associated with the AFC system”

## **REPORT AND ORDER AND FURTHER NOTICE OF PROPOSED RULEMAKING**

**Adopted: April 23, 2020**

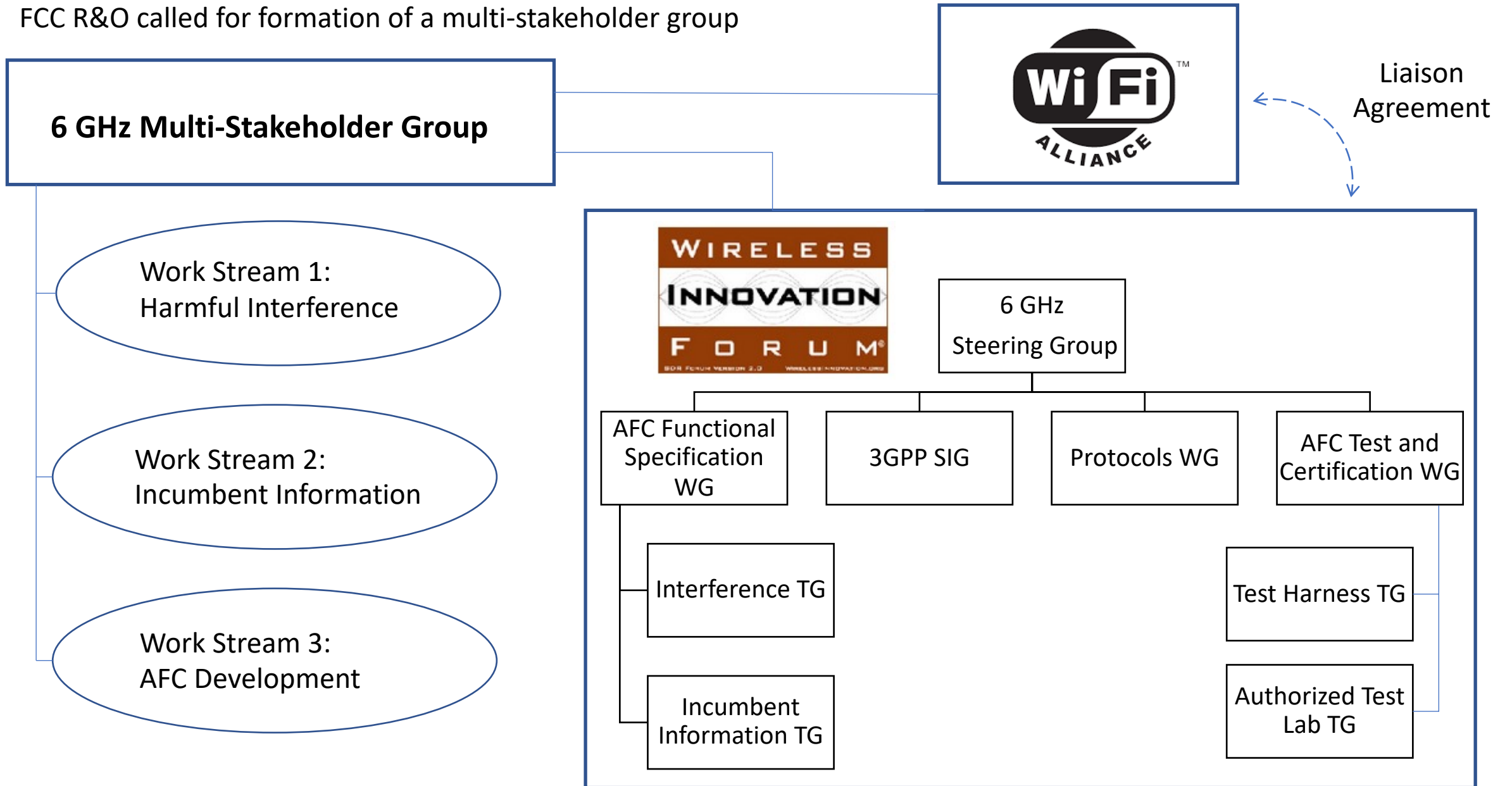
**Released: April 24, 2020**

**Table 3: Expanded Unlicensed Use of the 6 Gigahertz Band**

Device Class	Operating Bands	Maximum EIRP	Maximum EIRP Power Spectral Density
Standard-Power Access Point (AFC Controlled)	U-NII-5 (5.925-6.425 GHz)	36 dBm	23 dBm/MHz
Client Connected to Standard-Power Access Point	U-NII-7 (6.525-6.875 GHz)	30 dBm	17 dBm/MHz
Low-Power Access Point (indoor only)	U-NII-5 (5.925-6.425 GHz) U-NII-6 (6.425-6.525 GHz) U-NII-7 (6.525-6.875 GHz)	30 dBm	5 dBm/MHz
Client Connected to Low-Power Access Point	U-NII-8 (6.875-7.125 GHz)	24 dBm	-1 dBm/MHz

Client devices connected to an LPI AP are not required to be indoors

FCC R&O called for formation of a multi-stakeholder group



# 6 GHz Multi-Stakeholder Group Work Streams

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## **Work Stream #1: Process for Harmful Interference Detection, Reporting & Resolution**

- Process for detecting harmful interference to licensed incumbents
- Process to measure and identify sources of harmful interference
- Process for harmful interference reporting and for interference mitigation and resolution
- Characterization of U-NII device(s) signals to aid in processes above

## **Work Stream #2: Up-to-date Incumbent Information**

- Best practices around provision of (and periodic updates to) incumbent system data to ULS
- Processes for ensuring AFC systems contain complete and up-to-date incumbent data

## **Work Stream #3: AFC Development and Implementation**

- Recommendations on application of AFC propagation models (e.g., parameters , I/N calculations )
- Reports from standards bodies undertaking AFC development
- Comment on SDO-developed test plans for AFC systems & AFC devices
- Contribute to development of test vectors
- AFC security best practices