



# NTIA Spectrum Activities Overview

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National Spectrum Management Association

“Spectrum 2017”

May 16, 2017

Peter Tenhula

Deputy Associate Administrator

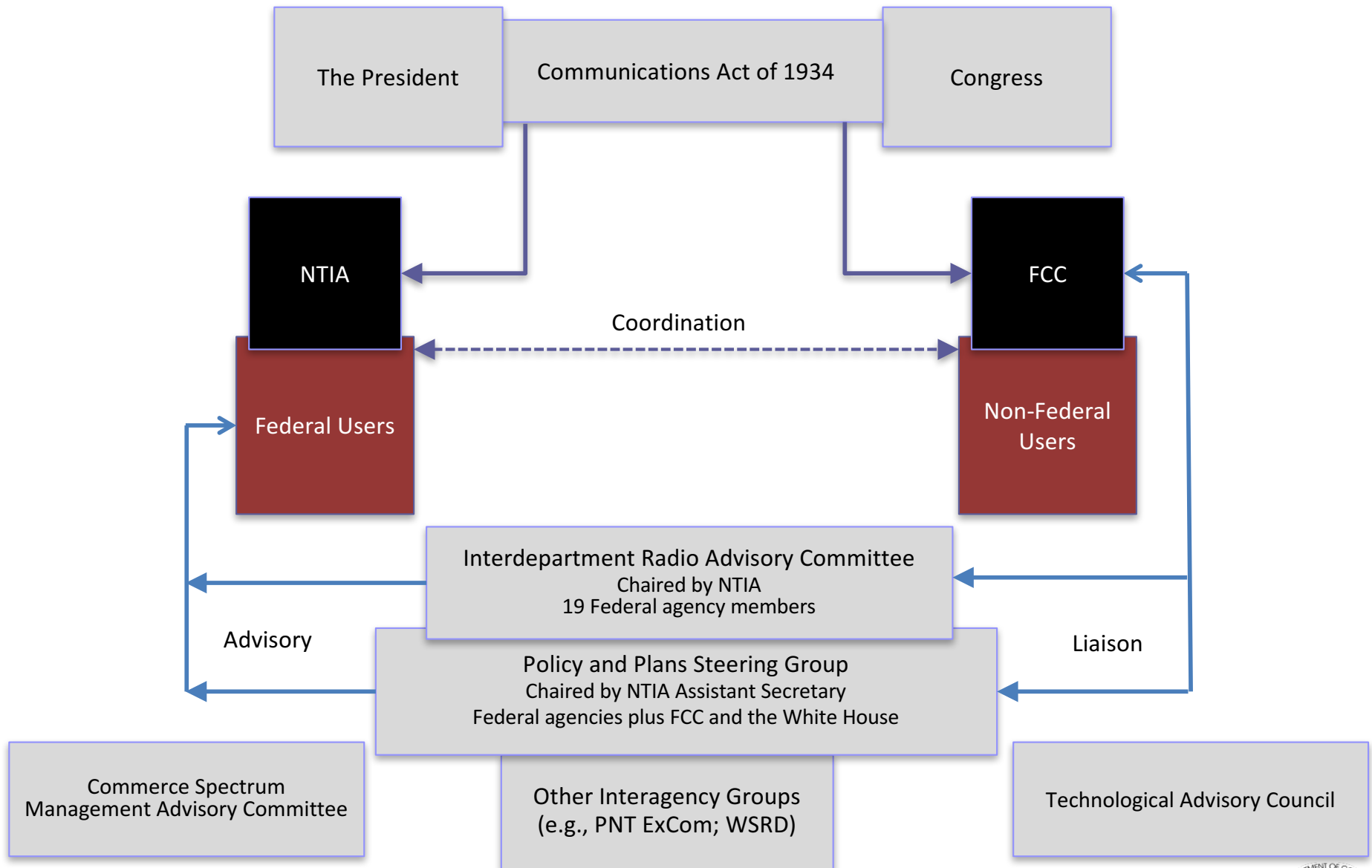
Office of Spectrum Management, NTIA

Chair, Interdepartment Radio Advisory Committee

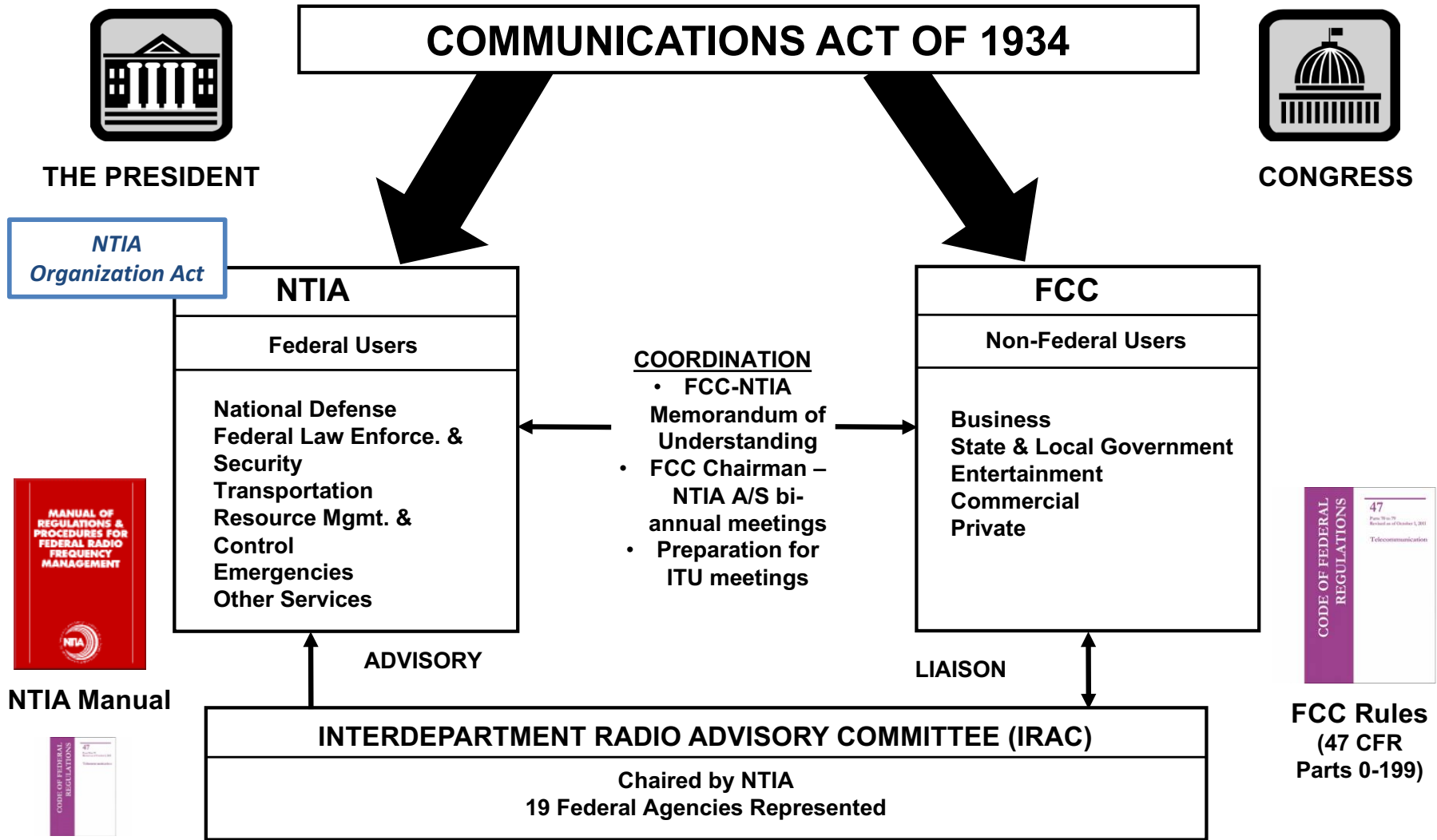
# Outline

- Overview of National Spectrum Policy/Management Framework
- The Interdepartment Radio Advisory Committee (IRAC)
- Hot Topics @:
  - IRAC
  - Office of Spectrum Management (OSM)
  - NTIA

# National Spectrum Policy Framework



# National Spectrum Management



47 CFR

Part 300

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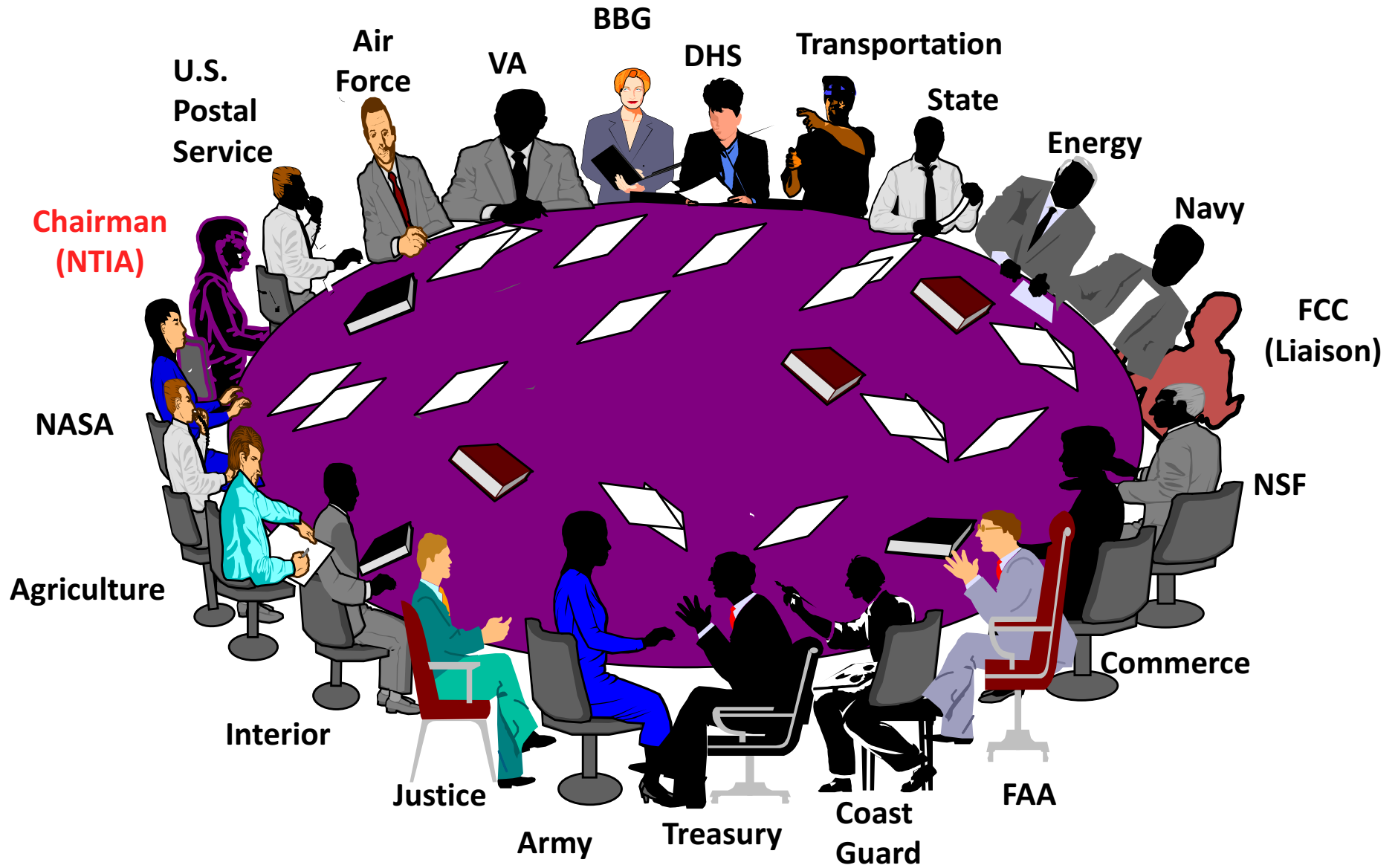


# IRAC History

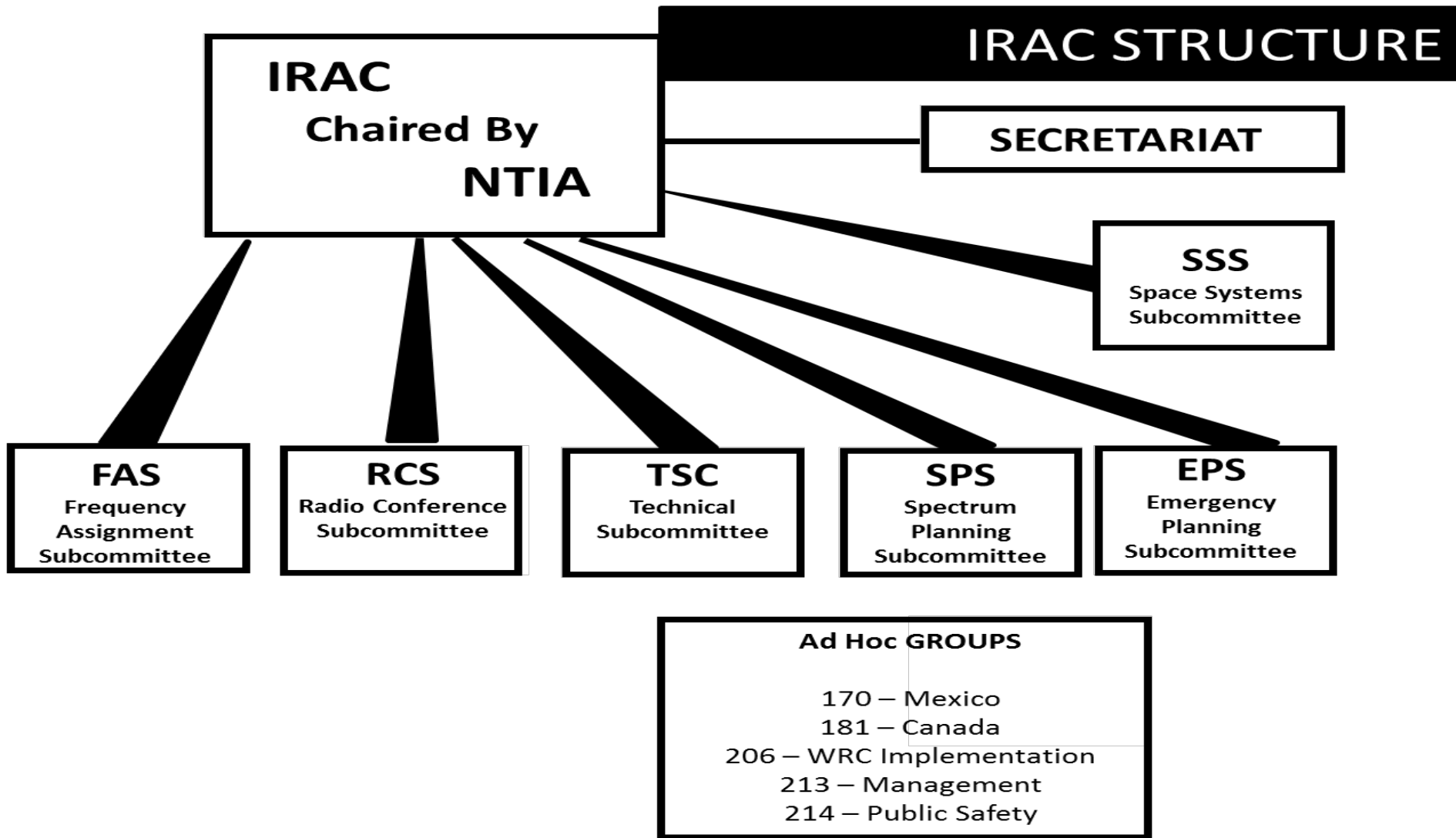
- April 1922: “Interdepartment Advisory Committee on Radio Broadcasting” established by Secretary of Commerce, Herbert Hoover.
- June 1922: First meeting held with original 7 member agencies.
- March 1923: Changed name to IRAC; 13 member agencies.
- March 1927: President Coolidge letter to Secretary Hoover affirming IRAC’s role to advise President on making assignments to stations owned/controlled by government.
- October 1940: FCC/IRAC Memorandum of Understanding.
- November 1941: first Bylaws adopted, replacing 1923 “rules”.
- October 1952: IRAC “reconstituted”; FCC becomes liaison member.
- August 1965: First Manual of Regulations and Procedures for Frequency Management approved.
- June 1972: 50<sup>th</sup> Anniversary Report.
- May 9, 2017: Held 2000<sup>th</sup> Meeting.



# IRAC Members\*



\* Observers: Defense (DISA), NSA and FDA



# (Some) Hot Topics @ IRAC

- Unmanned Aircraft Systems (UAS)
  - Spectrum Access
  - Counter-UAS
- Small Satellite Systems
- Experimental Operations
- Contractor Issues (FCC or NTIA Authorization?)
  - NTIA Manual Guidance at §§ 8.2.17 and 9.1.4
- OMB Circular A-11 Implementation
- NTIA Manual Review and Revisions
- FCC Proceedings Coordination



# Other Hot Topics @ OSM

- FCC Collaboration
  - Spectrum Frontiers (mmWave/5G)
  - Space Policy (Federal Earth Stations and Non-Federal Space Launches)
  - 3.5 GHz SAS and ESC implementation
  - 5 GHz U-NII Bands
  - AWS-3 Transition (1695-1710 MHz; 1755-1850 MHz)
- Other Interagency Collaboration
  - Spectrum Pipeline Act Implementation
  - Spectrum Efficiency “Incentives”
  - Improved Automation and Process Streamlining
  - Prep for next World Radio Conference (and implementation of the last one)

# Other Hot Topics @ NTIA

- FirstNet Oversight
- BroadbandUSA
- Internet Domain Name System Transition
- Internet of Things (IoT)
- International Symposium on Advanced Radio Technologies (ISART)
  - On Spectrum Mining at Millimeter Waves
  - August 15-17, Bloomfield, CO

# Questions?



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