



# Domestic and Regional Preparations for WRC-19

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# World Radiocommunication Conferences (WRCs)

- WRCs are a UN-level world agreement forum through an international treaty
- Operating as a part of the ITU-R, WRCs periodically review and revise the Radio Regulations, meeting every 3 to 4 years
- WRCs operate by the principal of *consensus*, but there is voting on occasion
- WRCs set the world stage for future technological development
- In recent years there is an increasing emphasis of ***regional*** positions and proposals

# WRC-15 Opening, November 2, 2015



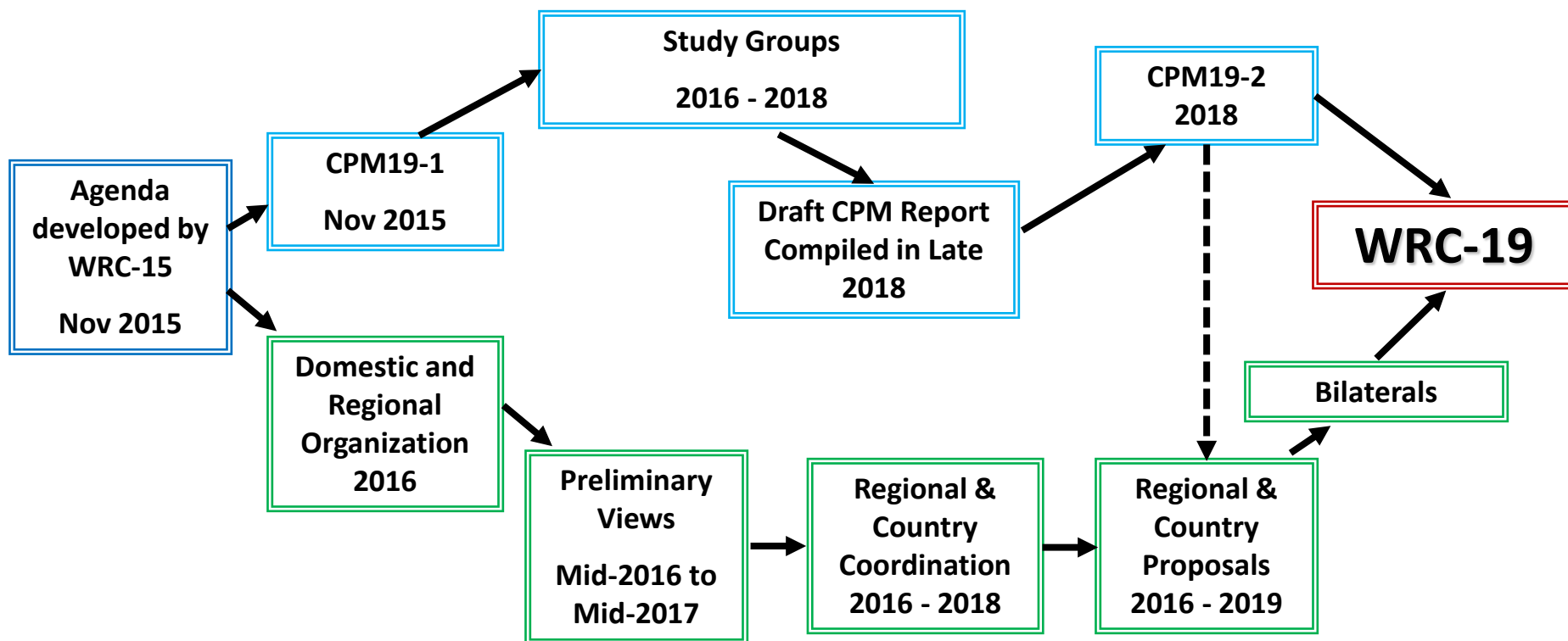
# WRC-19 Agenda Items

WRC-19 will be considering 28 agenda items – but a lot of these break out into multiple issues, so there are approximately 36 issues to be addressed. These include topics like,

- Mobile Broadband / International Mobile Telephony
- High Altitude Platform Systems in the Fixed Service
- Science Issues – MetSat Service, EESS
- Aeronautical, Maritime, Radiolocation Issues – Global Maritime Distress Safety Systems (GMDSS) modernization, Global Aeronautical Distress and Safety System (GADSS)
- Satellite – FSS, MMSS uplinks and downlinks
- Satellite Regulatory Issues

# International Preparatory Process

## Technical Preparations



## Proposal Preparations

# U.S. Domestic Preparatory Process

In the United States, we have two regulators for spectrum

**NTIA** – Represents Federal Government Agencies

- The RCS of the IRAC develops federal preliminary views and proposals
- NTIA forwards views and proposals to the FCC

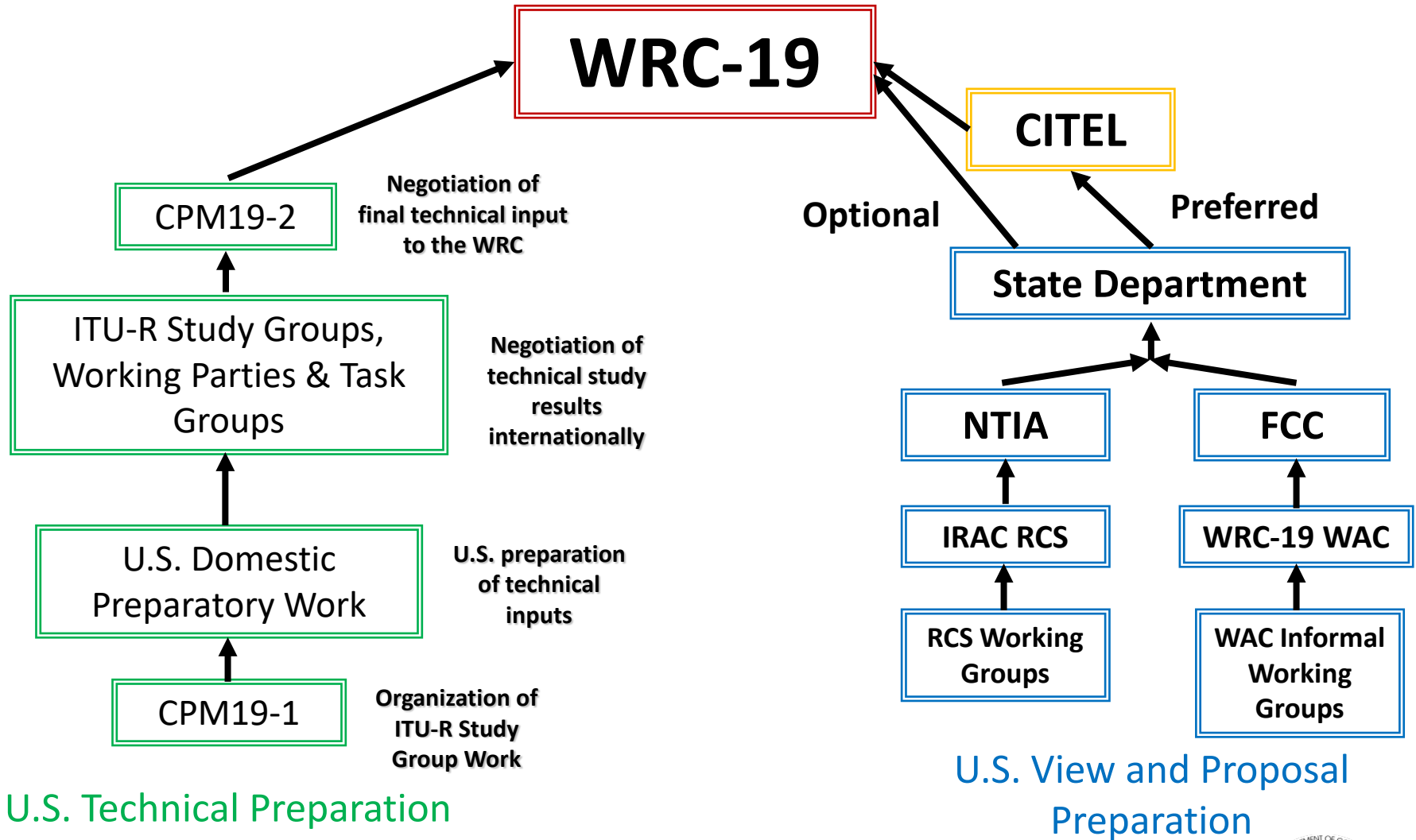
**FCC** – Represents the Private Sector and General Public

- The FCC's WAC develops private sector preliminary views and proposals
- The WAC forwards views and proposals to the FCC
- The FCC Bureaus analyze & modify proposals and forwards them to NTIA

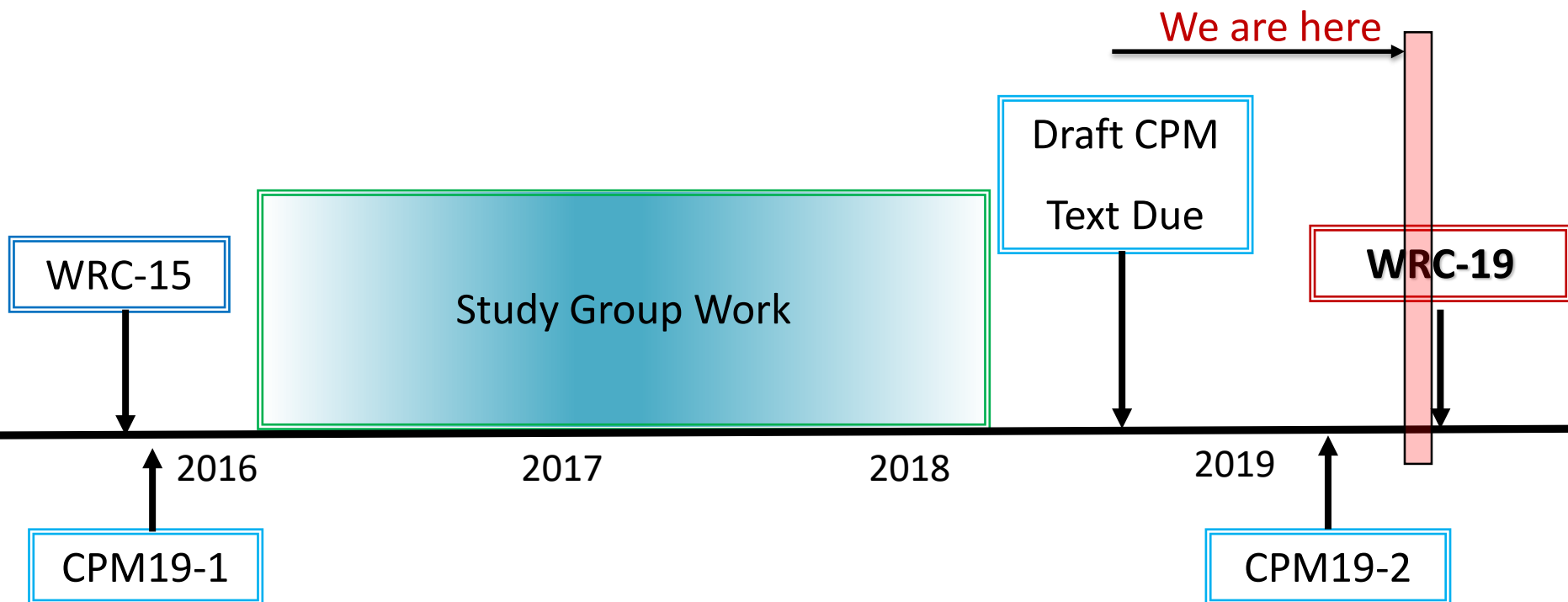
NTIA & FCC coordinate, modify, and approve views and proposals

The State Department submits U.S. views and proposals to CITEU or the ITU

# U.S. Domestic Preparatory Process



# The Big Picture



Much of the work that is done to prepare for a WRC is done in a period called a *study cycle*. This figure shows the primary milestones.



# Regional Preparations for WRC-19



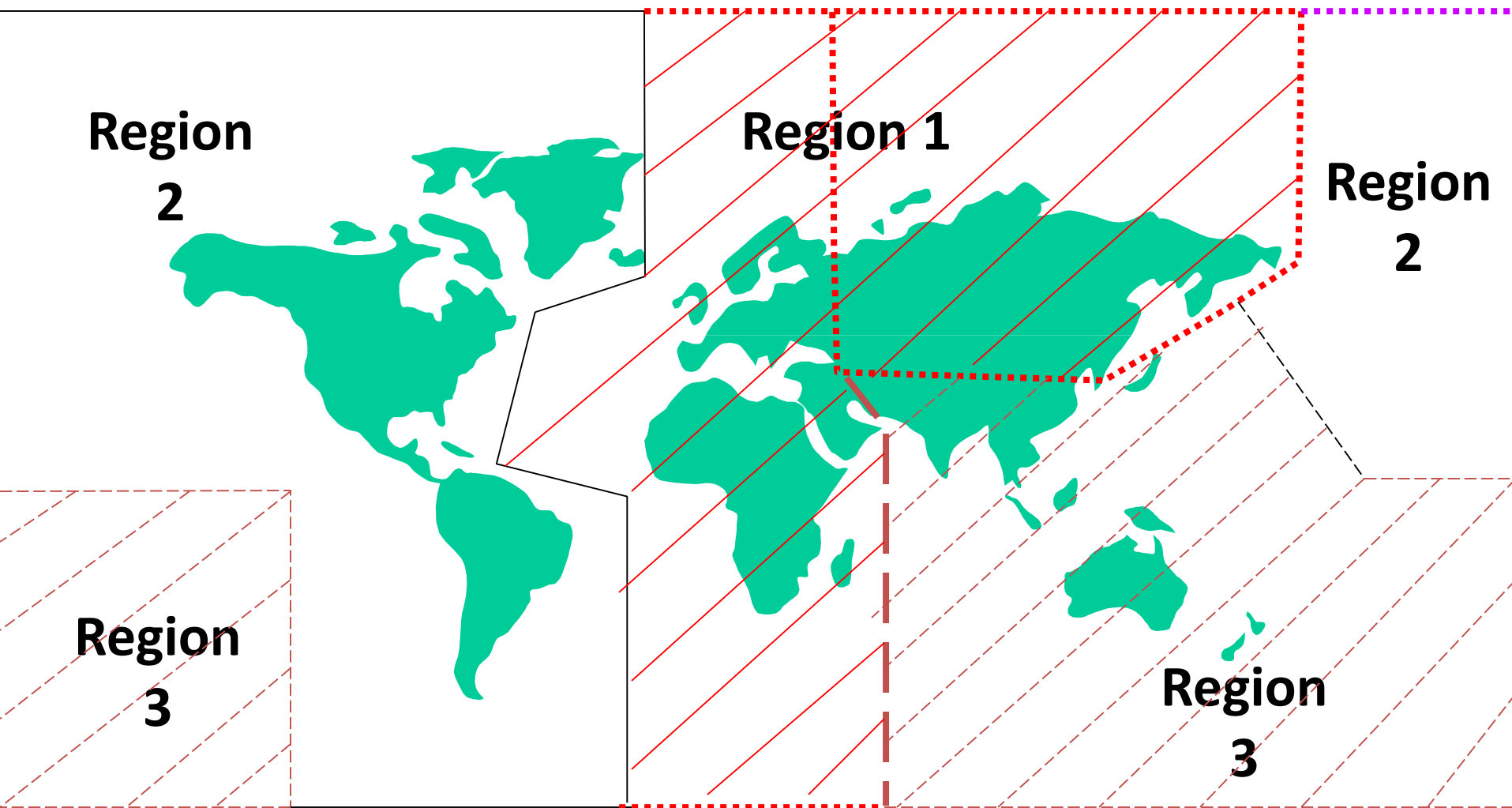
In recent WRCs, the participation of member states as part of **Regional Groups** (groups of countries associated by geography as well as politics) has been an important part of reaching consensus on the issues before each conference.

- Regional Groups prepare views and proposals on WRC agenda items and submit proposals to the WRC on behalf of their regional group.
- Each Regional Group has its own set of rules and procedures for producing regional proposals to the WRC.

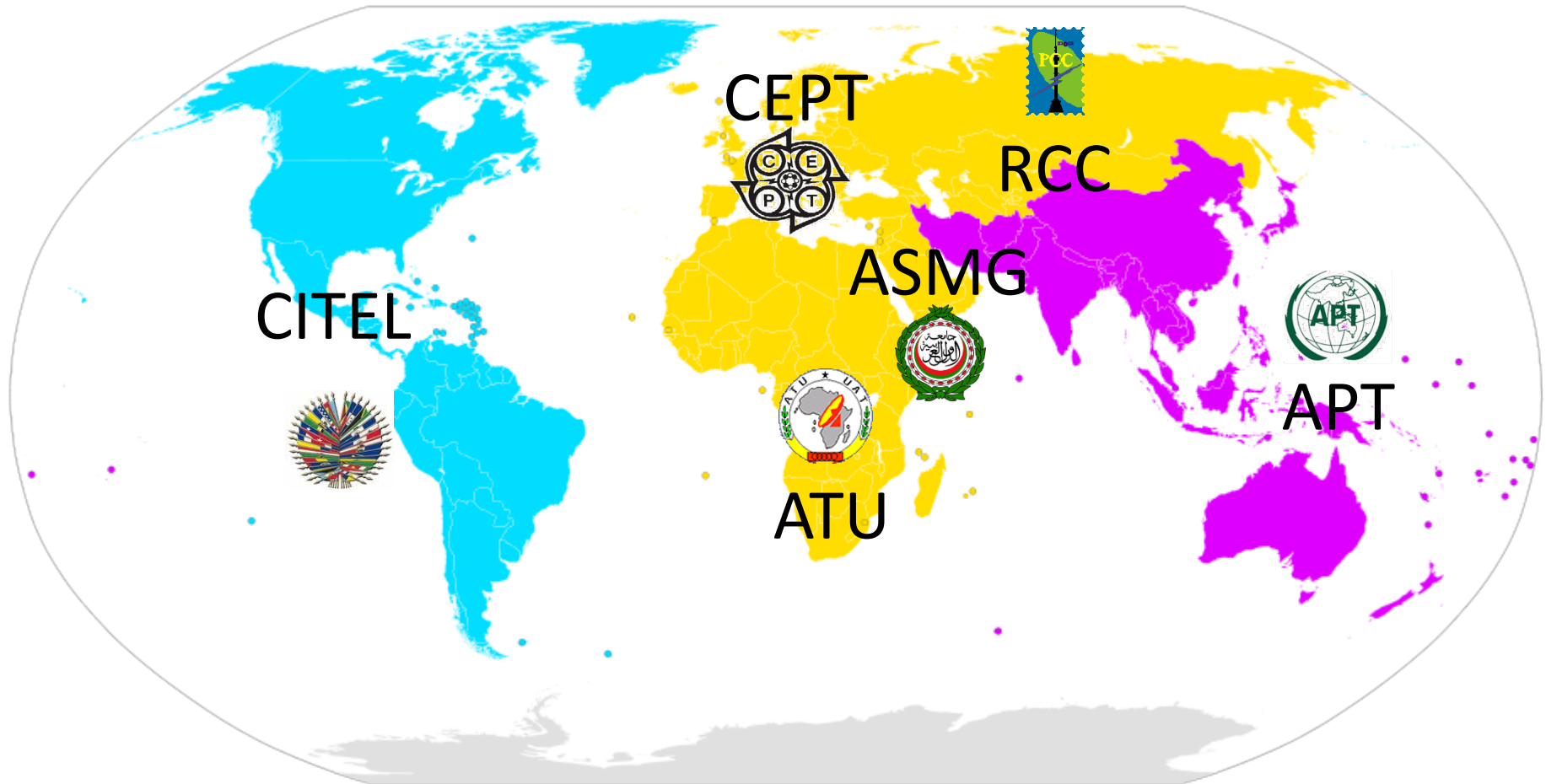
Examples of Regional Group preparations can be seen at,

<http://www.itu.int/en/ITU-R/conferences/wrc/2015/Pages/reg-prep.aspx>

# ITU Regions



# Regional Organizations



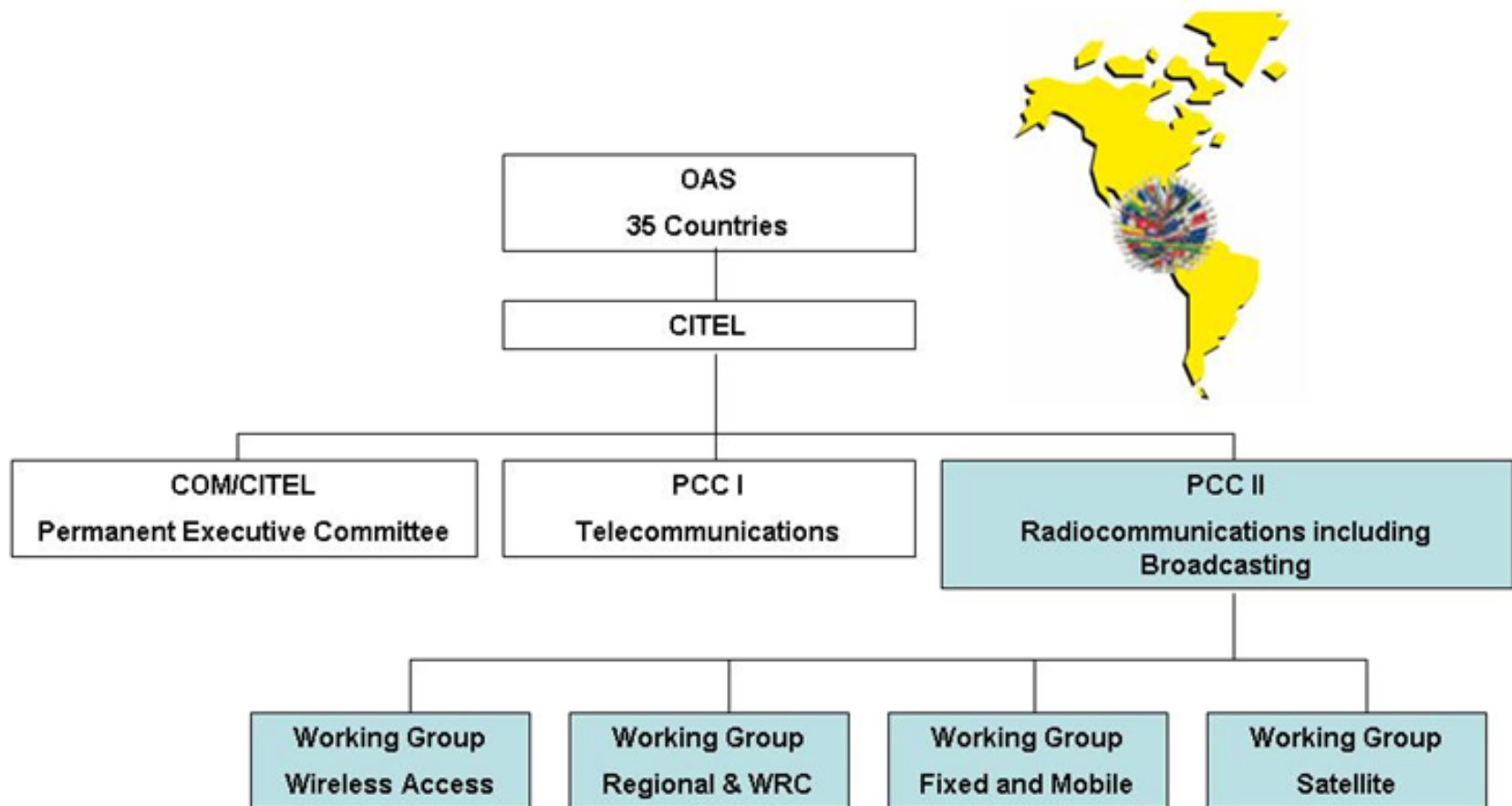
# Regional Telecommunication Organizations

Almost all of the countries in the world belong to one of these six main regional groups.

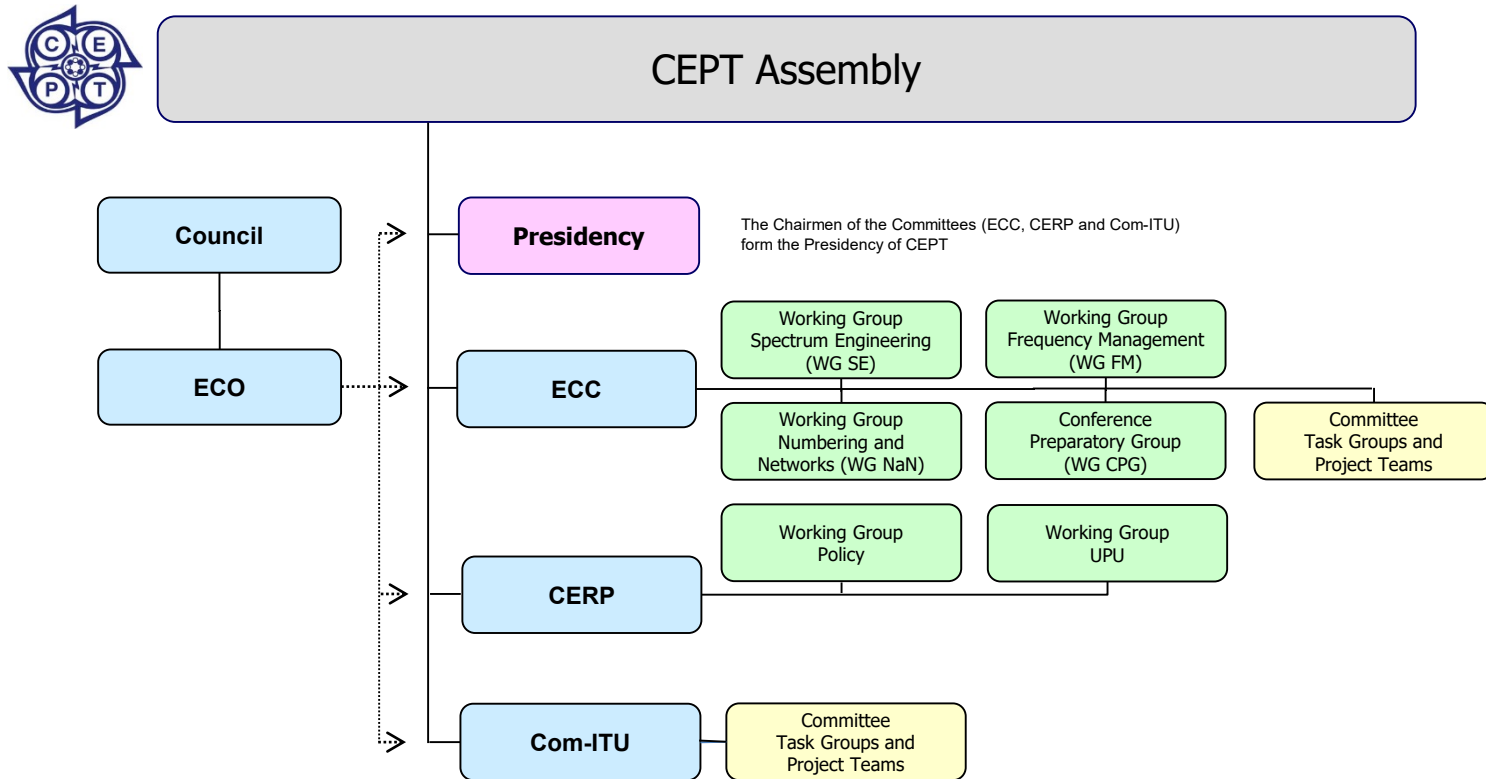
- **CITEL** – Inter-American Telecommunication Commission, 35 members
- **CEPT** – European Conference of Postal and Telecommunication Administrations, 48 members
- **APT** – Asia Pacific Telecommunity, 38 members
- **ASMG** – Arab Spectrum Management Group, 22 members
- **ATU** – African Telecommunications Union, 44 members
- **RCC** – Regional Commonwealth in the Field of Communications, 11 members

There are also other political alliances, such as NATO and GCC, which have spectrum interests, and sub-regional groups such as CTU, SADC, ECOWAS, and EACO which work on spectrum interests based on geography

# Inter-American Telecommunication Commission (CITEL)



# European Conference Of Postal And Telecommunications Administrations (CEPT)



.....> Support from ECO

ECO is the permanent office of CEPT established in Copenhagen

Updated: October 2013

# Participate!

We encourage getting involved in the WRC preparatory process

- Participation in technical ITU-R Study Group work
- National & Regional Preparation of CPM Proposals
- National & Regional Preparation of WRC Proposals

Keep up to date on U.S. WRC-19 preparations

- [www.ntia.doc.gov](http://www.ntia.doc.gov) (click on Spectrum Management -> International)  
The NTIA web site also keeps track of the progress of CITELE proposals
- [www.fcc.gov/ib/](http://www.fcc.gov/ib/)

The preparations for WRC-19 are well underway!

# Questions?