Overview of the
International Telecommunication Union
and
the Radiocommunication Sector

NTIA
Office of Spectrum Management
International Spectrum Plans & Policy Division

Brandon Mitchell
bmitchell@ntia.doc.gov
+1-202-482-4487

ITU Organization

```
                    ┌──────────────────────┐
                    │   Plenipotentiary    │
                    │     Conference       │
                    └──────────────────────┘

                    ┌──────────────────────┐
                    │    Administrative    │
                    │       Council        │
                    └──────────────────────┘

        ┌──────────────────┐    ┌──────────────────┐
        │    Secretary     │    │   Coordination   │
        │     General      │    │    Committee     │
        └──────────────────┘    └──────────────────┘
```

Radiocommunication Sector (R-Sector)	Telecommunication Standardization Sector (T-Sector)	Telecommunication Development Sector (D-Sector)	World Conference on International Telecommunications

Radiocommunication Sector (ITU-R)

- Plays a vital role in the global management of the radio-frequency spectrum and satellite orbits

- Ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services

- manages the detailed coordination and recording procedures for space systems and earth stations

Radiocommunication Bureau Director

- Elected by the ITU Plenipotentiary Conference
    - Mr. Francois Rancy (France)
- Responsible for the management of the Radiocommunication Bureau
    - organizes and coordinates the work of the Radiocommunication Sector whose aim is to ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum and the geostationary satellite orbit.

World Radiocommunication Conference (WRC)

- Reviews and modifies the ITU Radio Regulations based on an Agenda approved by the Council

  - Allocates spectrum to radiocommunication services (eg., fixed satellite, mobile satellite, radionavigation satellite, space research, radiolocation, mobile, and fixed services)

  - Sets other conditions (e.g., power limits) for use of radio frequencies

  - May "identify" spectrum for specific applications such as 3G wireless

- ITU-R Working Parties perform background studies in support of the Conference agenda items.

- Next WRC: 2 November – 27 November 2015

Conference Preparatory Meeting (CPM)

- Prepares a report detailing technical basis for the Conference, including methods to satisfy the agenda items.
- CPM-1 held immediately after the WRC
  - Attended by chairmen and Vice Chairmen of SGs
  - Determines the structure of the CPM report and designates Chapter Rapporteurs
  - Assigns work to WPs who will prepare the text to be compiled in the report
- CPM -2 held 6 months prior to the WRC
  - Opens to member states
  - Reviews and finalizes the CPM report
  - May lead to consensus prior to the WRC but could also result in more options being identified for WRC

Radiocommunication Assembly (RA)

- Manages the work of Study Groups (SGs) by developing ITU-R resolutions

- Held immediately before the WRC

- Appoints Chairmen and Vice Chairmen of SGs

- Sets work program for SGs by assigning questions

- Approves Recommendations as necessary

Radio Advisory Group (RAG)

- The RAG provides advice to the Director on SG issues
- Reviews the priorities and strategies adopted in the Sector
- Reviews the Sector budget and operational plan
- Recommends measures for fostering cooperation and coordination between SGs, with the other ITU Sectors and with other organizations
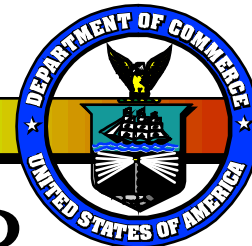
ITU-Radiocommunication Sector Study Groups

- SG1 – Spectrum Management

- SG3 – Radiowave Propagation

- SG4 – Satellite Services

- SG5 – Terrestrial Services

- SG6 – Broadcasting Service

- SG7 – Science Services

- Special Committee On Regulatory/Procedural Matters (SCRPM)

- Coordination Committee On Vocabulary (CCV)

Study Group & Working Party Output

- **ITU-R QUESTION**
  - A statement of a technical, operational or procedural problem

- **ITU-R RECOMMENDATION**
  - An answer to a Question or part(s) of a Question which, within the scope of existing knowledge and studies, gives specifications, data or guidance

- **ITU-R REPORT**
  - A technical, operational or procedural statement

- **ITU-R Handbook**
  - Practical info for Administrations

- **DRAFT CPM TEXT**
  - Provides Methods to solve WRC agenda items

10

EXAMPLE STUDY GROUP STRUCTURE

Study Group 5

Mobile, radiodetermination, amateur and related satellite services

WP 5A

Land Mobile except IMT-2000; amateur and amateur-satellite service

WP 5B

Maritime Mobile service including GMDSS; Aeronautical mobile and Radiodetermination service

WP 5C

Fixed wireless systems; HF and other systems below 30 MHz in the fixed and land mobile services

WP 5D

IMT systems

Other ITU-R Groups

- **Joint Task Group (JTG)**
  - JTGs are established by the Study Groups through a Decision.
  - A JTG's purpose is to study specific matters related to a Question assigned to more than one SG

- **Joint Rapporteur Group (JRG)**
  - JRGs are established by a Study Group or Working Party to handle urgent or specific issues that require analysis
  - The terms of reference for the JRG are very specific, the results of the Rapporteur Group shall represent the agreed consensus of the Group or reflect the diversity of views of the participants in the Group

- **Correspondence Group**
  - Correspondence Groups are established by a Study Group or Working Party
  - The purpose of a correspondence group is to further the work on a specific document or issue with clearly defined terms of reference

Questions?