Work Group Descriptions
Potential Member Assignment

1. PSTN Transition Issues Work Group

The *PSTN Transition Issues* Work Group will focus on identifying and evaluating issues that arise out of the shift in voice service usage patterns. As consumers and businesses use different networks and infrastructures to meet needs traditionally served by the PSTN, a variety of challenges emerge. Particular services provided by the PSTN may not transition well to successor networks, and certain users may not be in a position to transition easily. At the same time, transition might otherwise yield great benefits. Methods and practices, including interconnection, numbering, and database standards, may need to evolve for successor networks to retain crucial aspects of the functionality of the current circuit-switched network. The work group will make recommendations to the Commission to help address the transition from the circuit-switched to successor, packet-switched networks.

Tentative Members

Leader: Nomi Bergman (Brighthouse)/Russ Gyurek(Cisco)

Ahmed, Shahid	Accenture
Bergman, Nomi	Bright House Networks
McHugh, John	OPASTCO
Melone, Anthony	Verizon
Sirbu, Marvin	Carnegie Mellon University
Teets, Harold	Time Warner Telecom, Inc.
Waters, Jack	Level 3 Communications LLC
Gyurek, Russ	Cisco
Wetzel, Joe	Earthlink
Vogt, Charlie	GENBAND

* Light Attendance

FCC Liaison: Dan Kirschner

2. PSTN Successor Infrastructure Work Group

The *PSTN Successor Infrastructure* Work Group will focus on identifying key elements essential to an IP-based real-time communications infrastructure. As consumers and businesses turn to other networks to replace functionality previously provided by the current voice network, questions arise as to how those networks can replicate the best characteristics of the circuit-switched network while taking advantage of their advanced technological underpinnings. Successor networks face new quality-of-service and robustness challenges. They may depend upon new databases and take advantage of new interconnection standards. The work group will look past the challenges of transitioning from the legacy circuit-switched network, and focus on the technical characteristics and user experience of successor networks. The work group will make recommendations to the Commission to identify challenges to the effective performance of successor networks.

Tentative Members

Leader: Brian Daly (AT&T)/Tom Evslin(VON Coalition)

claffy, kc	UC at San Diego
Clark, David	MIT
Daly, Brian	AT&T
Gyurek, Russ	Cisco Systems
Tennenhouse, David	New Venture Partners
Vogt, Charlie	GENBAND
Wetzel, Joe	Earthlink
Bayliss, Mark	Visual Link
Kahn, Kevin	Intel

* Light Attendance

Evslin, Tom	VON
Reed, Dan	Microsoft
Russell, Jesse	incNetworks
Teets, Harold	TW Telecom
Field, Charlotte	Comcast

FCC Liaison: Henning Schulzrinne

3. Receivers and Spectrum Work Group

The *Receivers and Spectrum* Work Group will tackle the issue of the role of receivers in ensuring efficient use of the spectrum and how to avoid potential obstacles to making spectrum available for new services. Efficient use of the spectrum is a function of both transmitters and receivers. Transmitters can be a source of interference by emitted unwanted energy into spectrum used by other services. Receivers may prevent the use of bands if they pick up signals outside the spectrum bands they are authorized to use. While the Commission has focused primarily on transmitters, the need to address issues relative to receivers is becoming increasingly important. Various approaches have been suggested ranging from development of receiver standards to policies that define the expected interference environment and hold parties accountable if they choose not to design for that environment. This work group is tasked to study this issue and develop options and recommendations for dealing with it.

Tentative Members

Leader: Dennis Roberson

Claudy, Lynn	National Association of Broadcasters
Currier, Richard	Loral Space and Communications
Green, Dick	Liberty Global, Inc
Hatfield, Dale	Silicon Flatirons Center for Law, Technology, and Entrepreneurship University of Colorado at Boulder

* Light Attendance

Roberson, Dennis	Illinois Institute of Technology
Gorenberg, Mark	Hummer, Winblad Venture Partners
Lapin, Gregory	Amateur Radio
Markwalter, Brian	CEA
Mendenhall, Geoffrey	Harris Corporation

FCC Liaison: Julie Knapp

4. Multi-band Devices Work Group

The Multi-band Devices Work Group will study the challenges in developing equipment that is capable of operating over numerous frequency bands. For example, there are now more than forty band classes that have been identified internationally for commercial wireless services and the number will inevitably continue to grow as more spectrum is identified for use by these services. Equipment manufacturers can be faced with difficult design trade-offs as to how many and which bands to include in any given device. These decisions may take into account factors such as the effect on battery life, filter technology and available "real estate" on the circuit board. This work group will consider what the gaps are today between the need to operate across a diverse set of frequency bands to meet the demand for wireless broadband services and the limitations of available technology. The group is to define the scope of this problem and what, if anything, the Commission can do to address it.

Tentative Members

Leader: Brian Markwalter

Chapin, John	DARPA
Cooper, Marty	Arraycomm
Markwalter, Brian	Consumer Electronics Association
Nasielski, Jack	Qualcomm, Inc.
Richer, Mark	ATSC

* Light Attendance

Russell, Jesse	incNetworks
Claudy, Lynn	National Association of Broadcasters

FCC Liaison: Michael Ha/Chris Helzer

5. Wireless Apps and Services Work Group (M2M)

The *Wireless Apps and Services* Work Group will continue and build upon the good work of the previous TAC's Sharing Work Group on reducing application friction points. That group had a number of recommendations: Sponsor a mobile application developer conference; encourage formation of community of interest groups that can drive standardization (existing/new); encourage carriers to establish common practices/set of network interfaces; commission a user-friendly led analysis of key building blocks; and conduct a focused "friction point" analysis of key vertical industries such as critical infrastructure/utilities, public safety, and health care. The area of wireless apps and M2M services and devices has been a remarkable success thus far. The task of this work group will be to carry out the recommendations from the prior TAC and explore and make recommendations on related issues such as the impact of the growth of these services on networks and the demand for more spectrum.

Tentative Members

Leader: Shahid Ahmed

Sparks, Kevin	Alcatel Lucent
Bloom, Peter	General Atlantic
Chang, Greg	Yume
Mendin, Milo	Google
Tindal, Glen	Juniper
Tribble, Bud	Apple, Inc.
Parekh, Deven	Insight Venture Partners
Clark, Wesley	Wesley K. Clark and Associates
Zitter, Robert	HBO
Tennenhouse, David	New Venture Partners*

* Light Attendance

Daly, Brian	AT&T*
Gyurek, Russ	Cisco*

FCC Liaison: Walter Johnston

6. Wireless Security and Privacy Work Group

The *Wireless Security and Privacy* Work Group will examine the security vulnerabilities of the air interfaces used by commercial wireless networks, how they are being addressed and what role, if any, the Commission should play on this issue. As our nation relies increasingly on commercial wireless networks for safety of life and property and applications that are vital to our national economy, we must ensure that they are not open to attack. The work group will help inform the Commission as to what vulnerabilities may exist with regard to the air interfaces, including but not limited to issues such as jamming (denial of service to others), theft of service and privacy violations (snooping). The group could in coordination with the TAC expand to vulnerabilities beyond the air interface or commercial wireless networks if it believes this is appropriate. The work group will report on its findings and make any recommendations to the Commission it believes are appropriate.

Tentative Members

Leader: Kevin Sparks

Kahn, Kevin	Intel Corporation
Sparks, Kevin	Acatel Lucent
Nicklas, Randy	XO Communications
Reed, Daniel	Microsoft

* Light Attendance

Steinberg, Paul	Motorola
Daly, Brian	AT&T
Ali Khayrallah	Ericsson

FCC Liaison: Gregory Intoccia

* Light Attendance