3GPP2
3rd Generation Standards Development

3GPP2 Presentation to the TR45 Committee,
March 3-4, 1999

Steve Dennett, Chair 3GPP2 Steering Committee

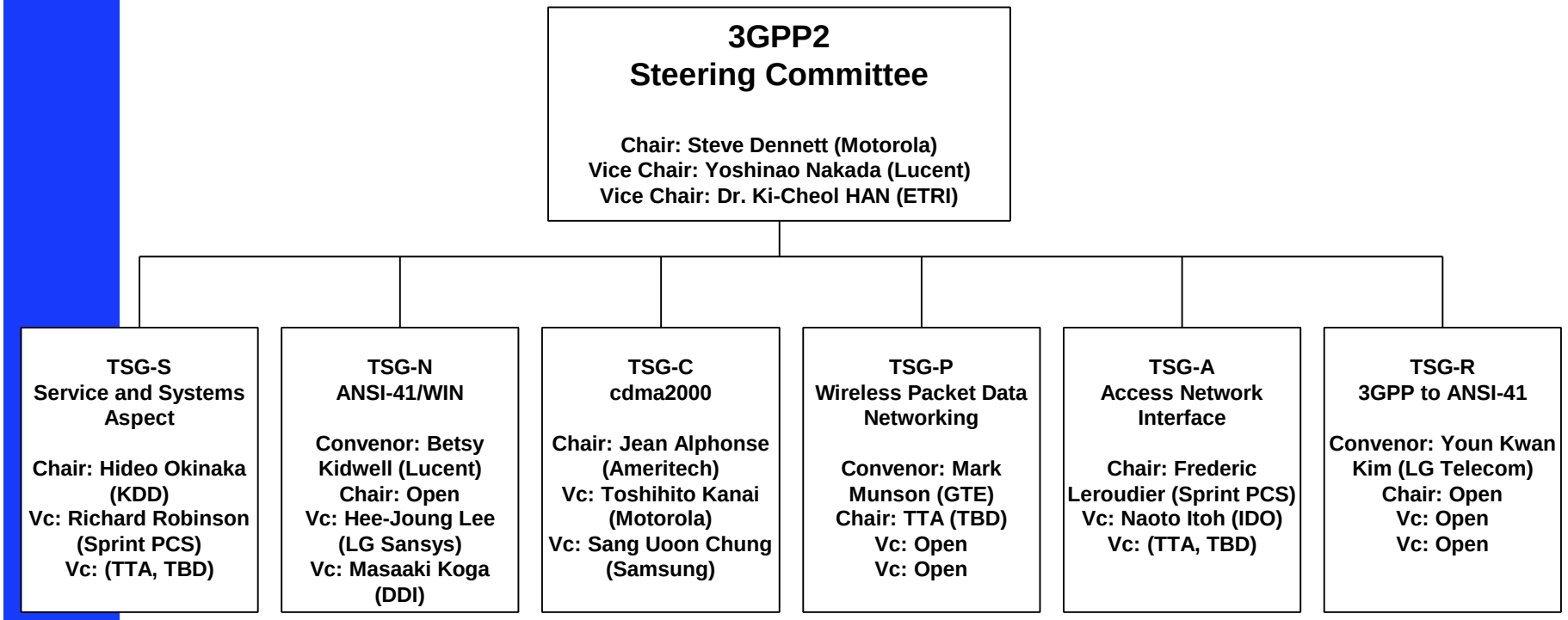
Transition Process

- **Schedules**
  - **The transition will be managed to eliminate any disruption to the existing schedules while expediting the ability for all 3GPP2 members to fully participate in the development process.**
- **Meeting Locations**
  - **TIA has contractually committed meeting locations until the end of 1999 and will extend existing accommodations for 3GPP2 TSG meeting purposes.**
  - **Some meetings may change to alternate locations if sponsorship can be found (including cancellation fees).**
  - **Locations should be chosen to encourage maximum participation.**
- **Leadership continuity will be key to a smooth transition.**

Work Transition

- For the February meetings, all potential members of the TSGs were invited to TR45 and its sub-committees meetings as observers.
- At March meetings, dedicated TSG time is being scheduled to finalize the details of TSG operation.
- The first full meetings of the TSGs will be in April co-located with the appropriate TR45 subcommittees.
- Work within the TSGs will be initially based on the corresponding subcommittee workplans.
- New TSGs are free to begin work immediately.

3GPP2 Organization Structure



3GPP2 Steering Committee (SC)

- **SC Participants**
  - **Organization Partners (OP)**
  - **Market Representation Partners (MRP)**
  - **Individual Members**
  - **Observers (Per OP Approval)**
- **First Steering Committee Meeting January 27th-28th, Vancouver.**
- **Fifth Organization Partners Meeting May 25th, Seoul.**
- **Next Steering Meeting May 26th, Seoul.**

TSG-N (ANSI-41)

TSG-N
(ANSI-41)

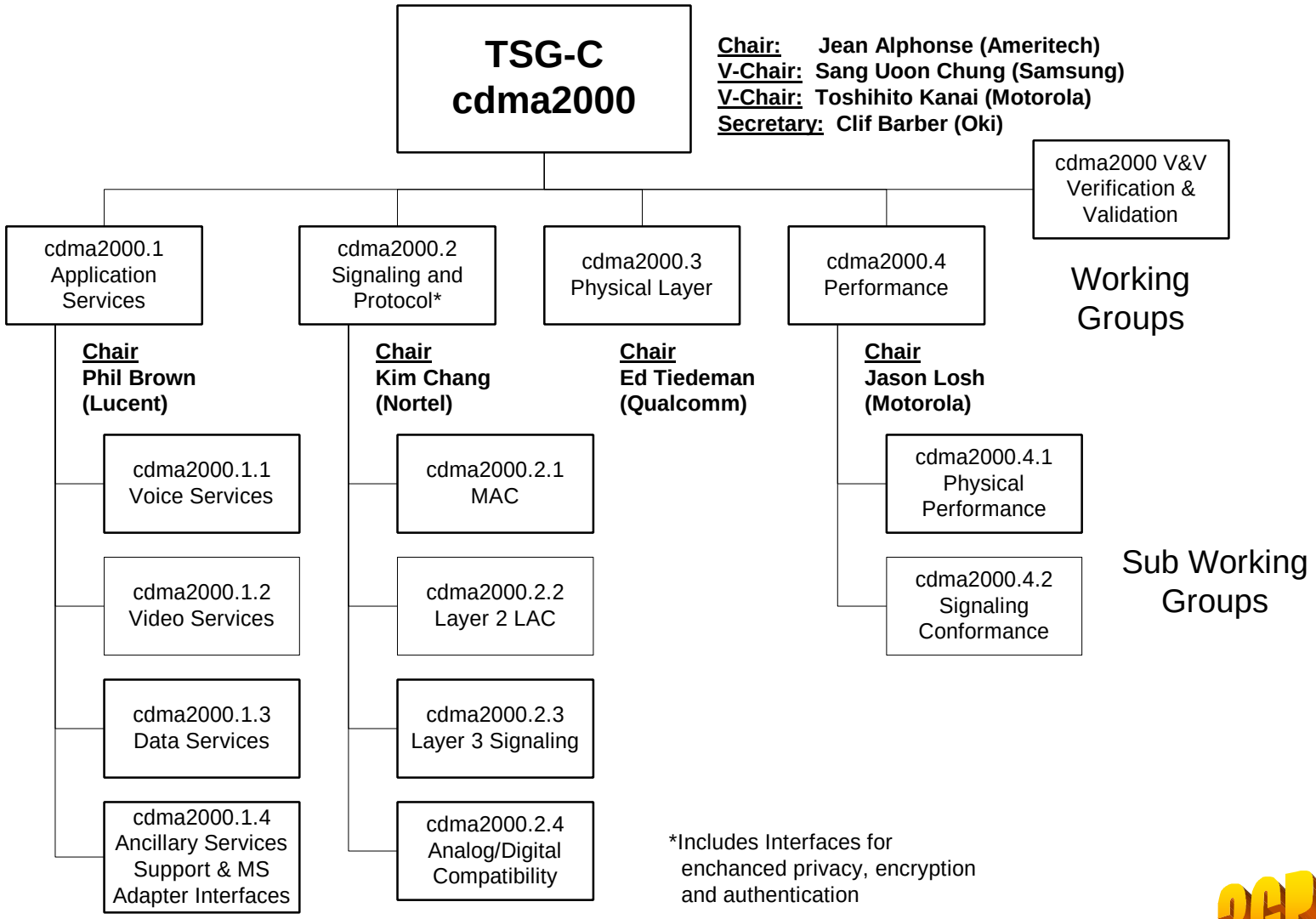
Convenor: Betsy Kidwell (Lucent)
Nominee for Vice Chair: Hee-Joung Lee (LG)
Nominee for Vice Chair: Masaaki Koga (DDI)

Defer discussion of sub-structure organization until the TSG-N work items and resources are better determined.

TSG-N ANSI-41/WIN ToR

- **Evolution of Core Network for Inter System Operation within the ANSI-41 Family member.**
- **UIM support (Detachable and Integrated).**
- **Support for enhanced privacy, authentication, encryption and other security aspects.**
- **VHE (Virtual Home Environment).**
- **Support of New Supplemental Services (including ISDN interworking).**
- **Optimal Interoperability Specification for International Roaming (e.g. Selection of required parameters options).**
- **New Features for International Roaming (Global Emergency Number, Optimal Routing).**
- **IMT-2000 issues as necessary to ensure support of the ANSI-41 family member.**

TSG-C (cdma2000)



cdma2000 Terms of Reference

- **Responsible for the radio access part, including its internal structure, of systems based on 3GPP2 specifications.**

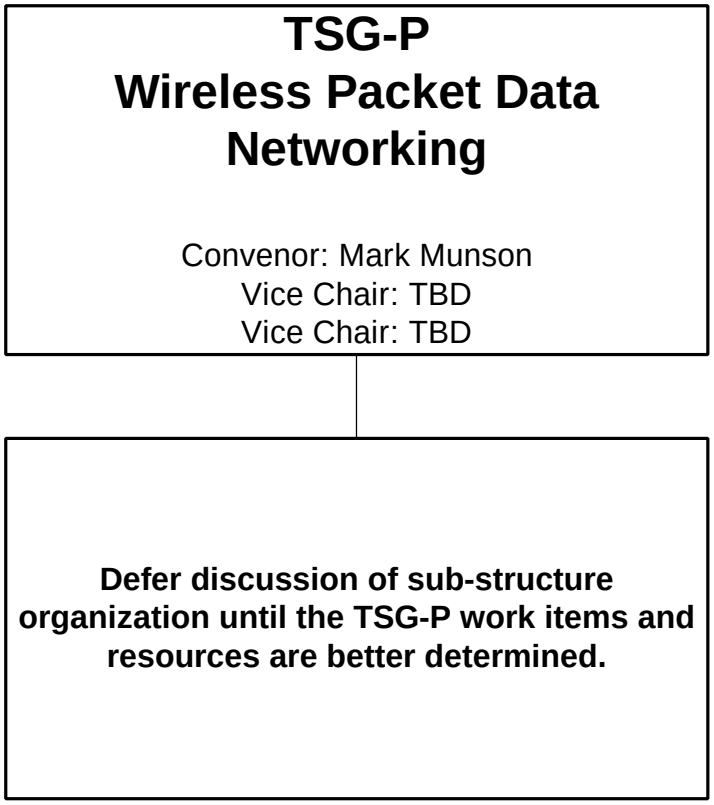
- **Specifically it has responsibility for:**
  - Requirements, functions and interface for cdma2000 Infrastructure and User Terminal Equipment.
  - Management of work items placed under its responsibility.

- **More specifically, TSG-C will address the following areas of work :**
  - Radio Layer 1 specification
  - Radio Layer 2 specification
  - Radio Layer 3 specification
  - MS/BS Radio Performance Specifications
  - Radio Link Protocol
  - Support for enhanced privacy, authentication and encryption
  - Digital Speech Codecs
  - Video Codec adoption
  - Data and Other Ancillary Services support
  - Conformance Test Plans
  - MS-Adapter Interface

TSG-C Work Transition

- Work on cdma2000 phase 1 will be completed within TR-45.5 and will be presented as the basis for the work in the TSG.
- For the February TR-45.5 meeting in Tucson AZ, all members of the TSG were invited to the meeting as observers.
  - Individual members are invited to provide input into the TR45.5 cdma2000 Phase 2 workplan.
- The cdma2000 TSG will initially base its workplan on the TR-45.5 cdma2000 phase 2 workplan.
- A cdma2000 TSG Scheduling AdHoc met February 22nd to draft a workplan for the TSG.
- On March 17 from 4-8pm the TSG will meet in Seattle Washington to finalize the cdma2000 TSG structure, workplan and WG terms of reference.
- The first full meeting of the TSG will be the April meeting in Savannah, GA with TR45.5.

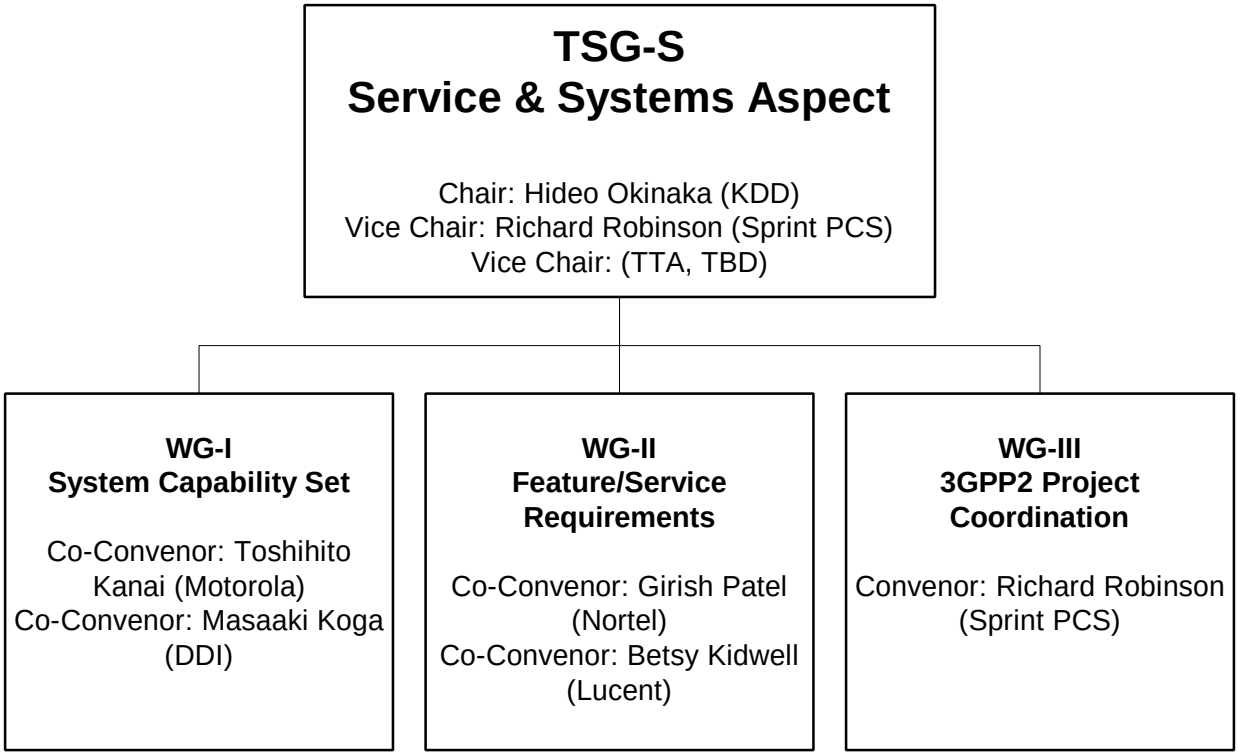
TSG-P Wireless Packet Data Networking



TSG-P Wireless Packet Data Networking

- Wireless IP Services (including IP Mobility Management)
- Wireless IP Network Architecture Design
- Voice over IP
- Secure Private Network Access
- Internet Access
- Packet Data Accounting
- Multimedia Support
- QoS Support

TSG-S Service & System Aspects

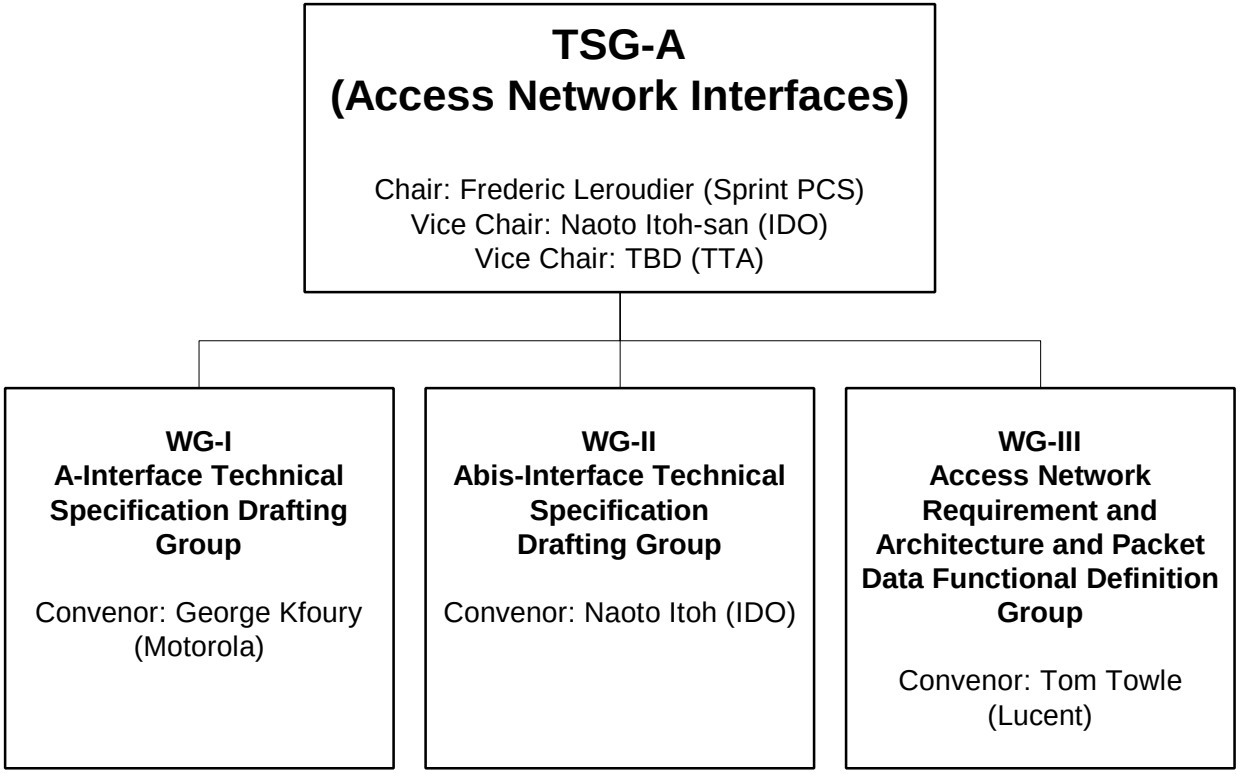


Services and Systems Aspects ToR

- **Specifically it has a responsibility for:**
  - **Definition of Service and System Requirements to support regional and international 3G market needs.**
  - **Tracking of Feature and Service development activities across TSGs.**
  - **Management of work items under its responsibility.**

- **More specifically, TSG-S will address the following areas of work:**
  - **System Capability Set Development.**
  - **Stage 1 Feature and Service Requirements Definition.**
  - **System Reference Model Development and Maintenance.**
  - **Requirements for International Roaming.**
  - **Definition of Stage 1 high level requirements for OAM&P across all TSGs.**
  - **High level co-ordination of the work performed in other TSGs and monitoring of progress.**

TSG-A Access Network Interface



TSG-A Access Network Interfaces

- **Responsible for the specifications of interfaces between the radio access network and core network.**

- **Radio access network to core network interface:**
  - **Physical links, transports and signaling**
  - **Support for access network mobility**
  - **3G Capabilities (e.g. High speed data support)**
  - **Abis interface**
  - **Inter-Operability Specification**
  - **Support for 3GPP2 Radio Access Technologies**

TSG-R 3GPP to ANSI-41

TSG-R

Interface of 3GPP Radio Access Technology to 3G Core Network evolved from ANSI-41

Convenor: Youn Kwan Kim (LG Telecom)
Vice Chair: Open
Vice Chair: Open

Defer discussion of sub-structure organization until the TSG work items and resources are better determined.

Interface of 3GPP Radio Access Technology to 3G Core Network evolved from ANSI-41 (TSG-R)

- Interface specification of UTRAN to an evolved ANSI-41 Core Network.
- Radio technology interface to accommodate evolving UTRA features which may include WP (wideband packet)-CDMA and other features as determined by 3GPP.
- Minimal requirements and enhancements/modifications of UTRA radio technology, if necessary, to accommodate ANSI-41 Core Network.
- Support handoff between existing cdmaOne (2G) and UTRA radio technology (both intersystem and intrasystem handoff).
- Roaming issues for UTRA handset between GSM core network and ANSI-41 core network.
- User terminal equipment and infrastructure for the above.
- Liaison or joint work efforts, as appropriate, with other 3G groups.

Recommendations to CDG

- Get Involved as Individual Members
- All TSGs are meeting in the March/April timeframe.
- TSG-Service and Systems Aspects needs operator input.
- Support for 3GPP2 is needed to insure a smooth transition and to minimize duplication of effort.
- TSG-A, Coordination of IOS.
- TSG-C, Conformance Testing and MS-Adapter Interface.