

3GPP CN Plenary June 5, 2002

Betsy Kidwell Chair, 3GPP2 TSG-N

Ph: +1-630-979-2272 Fax:+1-630-713-1921 Email: ekidwell@lucent.com

Overview



- - **∠** Visit www.3gpp2.org for more information
- **3GPP2 IP Multimedia Domain**
- Coordination Discussion Points

3GPP2 Structure





Chair: Steve Dennet (Motorola)

TSG--S

Services and System Aspects

Responsible for: Stage 1, System Requirements, PMT, OAM&P, NRM, Security

Chair: Rich Robinson (Sprint PCS)

TSG--C

cdma2000

Responsible for: Stage 2 and 3 for the cdma2000 air interface

Chair: Jean Alphonse (Lucent Technologies)

TSG--N

Intersystem Operations

Responsible for: Stage 2 and 3 for the core network

Chair:
Betsy Kidwell
(Lucent
Technologies)

TSG--A

A Interface Systems

Responsible for: Stage 2 and 3 for the A Interface

Chair: George Turnipseed (Sprint PCS)

TSG--P

Wireless Packet Data Networking

Responsible for: Stage 2 and 3 for Packet

> Chair: Haeng Koo (Samsung)

3GPP2: 3rd Generation Partnership Project 2 (NA, Asia)

TSG: Technical Specification Group PMT: Program Management NRM: Network Reference Model

— Organizational relationship

---- Coordination relationship

3GPP2 Structure



- Participating Standards Development Organizations (SDOs)
 - ARIB
 - CWTS
 - **Z** TIA
 - **∠** TTA
 - **∠** TTC
- ✓ Marketing Representation Partners (MRPs)
- Member Companies

3GPP2 IP History



- Work on what has been termed "All IP" began in November 1999
- Initial Network Architecture Model (NAM) and high level system requirements complete in December 2000
- **∠** Latest revision of NAM complete in March 2002
 - TSG-S document S.R0037
 - Supports both Legacy MS Domain and IP Multimedia Domain
 - Includes "common" Service Architecture for both domains

TSG-N Structure



TSG-N

Chair: Betsy Kidwell (Lucent)

Meets jointly and shares WGs with TIATR45.2

WG1 Stage 1

Responsible for: Stage 1, System Requirements

Services Focus Group reviewing TSG-S generated Stage 1s

> Chair: Terry Watts (Cingular)

WG2

Stage 2

Responsible for: Stage 2 call flows, security, architecture

Multimedia
Domain Focus
Group reviewing
3GPP IMS call
flows

Chair: Larry Young (Sprint PCS) WG3

Stage 3

Responsible for: Stage 3 protocol and procedures

Chair: Chuck Ishman (Motorola) WG4

Accounting

Responsible for:
Message
accounting and
auditing

Chair:
Gary Pellegrino
(CommFlow
Resources)

WG5

Wireless Intelligent Network (WIN)

Responsible for: Stage 1,2, and 3 of WIN

> Chair: Ben Chen (Verizon Wireless)

WG6

International Applications

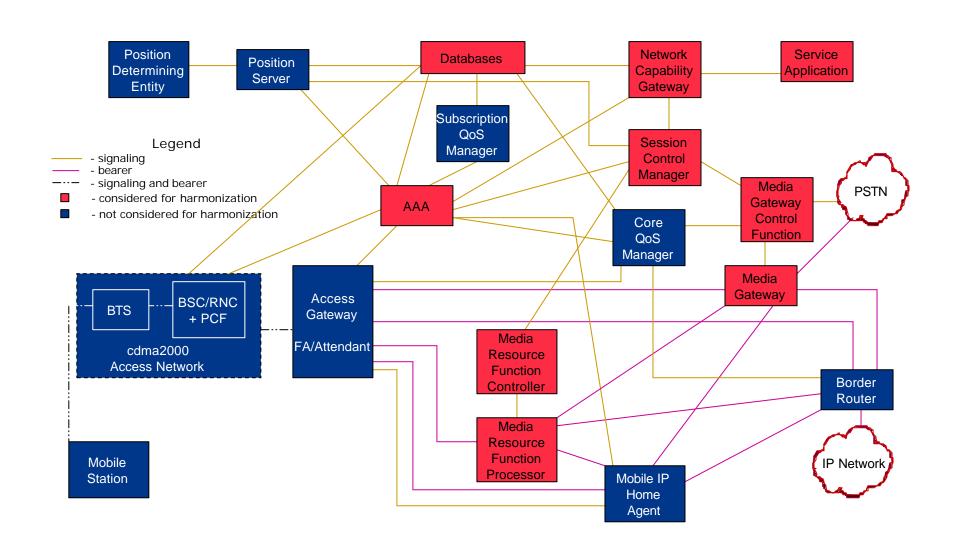
Responsible for: Internationalization of TIA/EIA-41

Chair: David Crowe (Qualcomm)



- **∠** Part of Multimedia Domain maps to 3GPP IMS
- Supports
 - SIP Sessions
 - Packet Data Sessions







- Support new multimedia services
 - Provide end-user transparency for legacy services
 - As appropriate
 - Provide new telephony services
 - ✓ Integration of voice and data services
 - Multimedia services
 - Provide new IP services
 - **∠** Presence
 - ✓ Instant Messaging
 - Etc.



Development Objectives:

- Commonality with 3GPP IMS on a transport layer independent core network
 - Reliance on Mobile IP
 - Reliance on GPRS
- ∠ Common service support (e.g., 3GPP, IETF)
 - **∠** Presence
 - **∠** Instant Messaging
 - Etc.

Coordination Discussion Points



Technical Objective

Common access independent IMS specification in release 6 timeframe

How to get there

- ✓ TSG-N is adapting Release 5 IMS specifications for use as a foundation for 3GPP2 IMS
- TSG-N has no intent to change 3GPP's release 5 content
- TSG-N wants to collaborate starting with release 6 requirements

Coordination Discussion Points



Discussion of Collaboration Possibilities

- Joint meetings
- Outsourcing
- Document sharing
- **∠** Liaisons

Issues to Consider

- Maintaining commonality over time
- Maintaining schedules
- Working Procedures
- Meeting logistics