



*IT R&D Global Leader*

## Major Results from the 1<sup>st</sup> ITU-T SG3 Meeting (19-23 Jan. 2009, Geneva)

### **SG3 Regional Group for Asia and Oceania Meeting** **Hanoi, Vietnam, 4-6 March 2009**

**Kishik PARK Ph.D.**  
**ITU-T SG3 Chairman**

**ETRI**

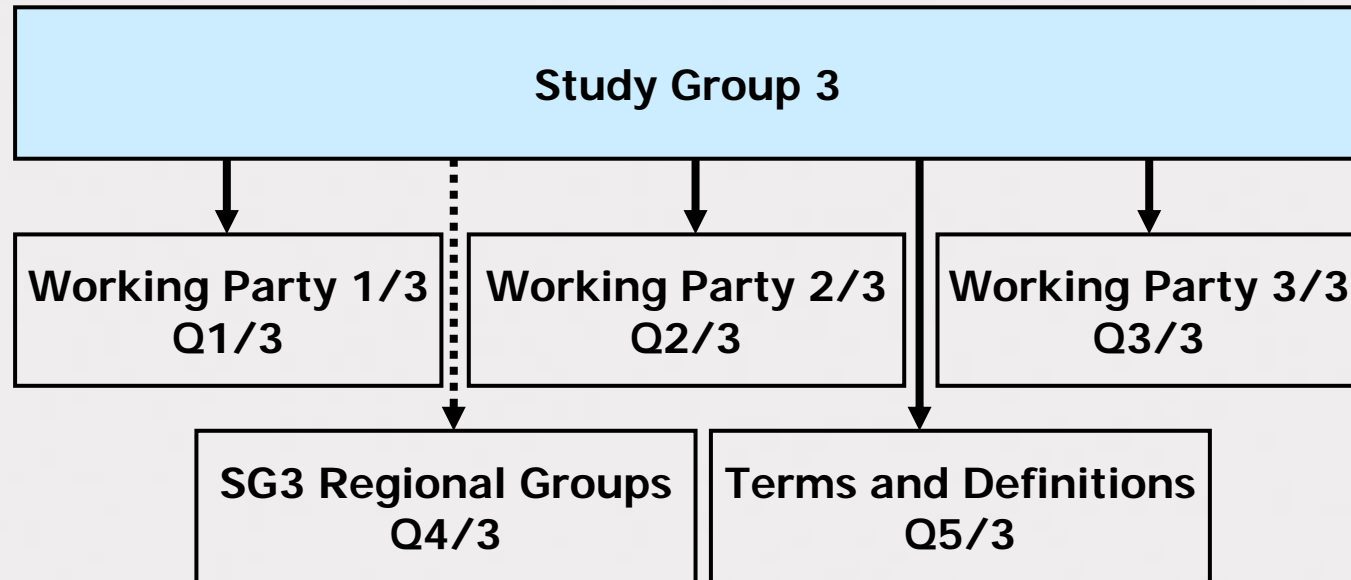
Electronics and Telecommunications  
Research Institute



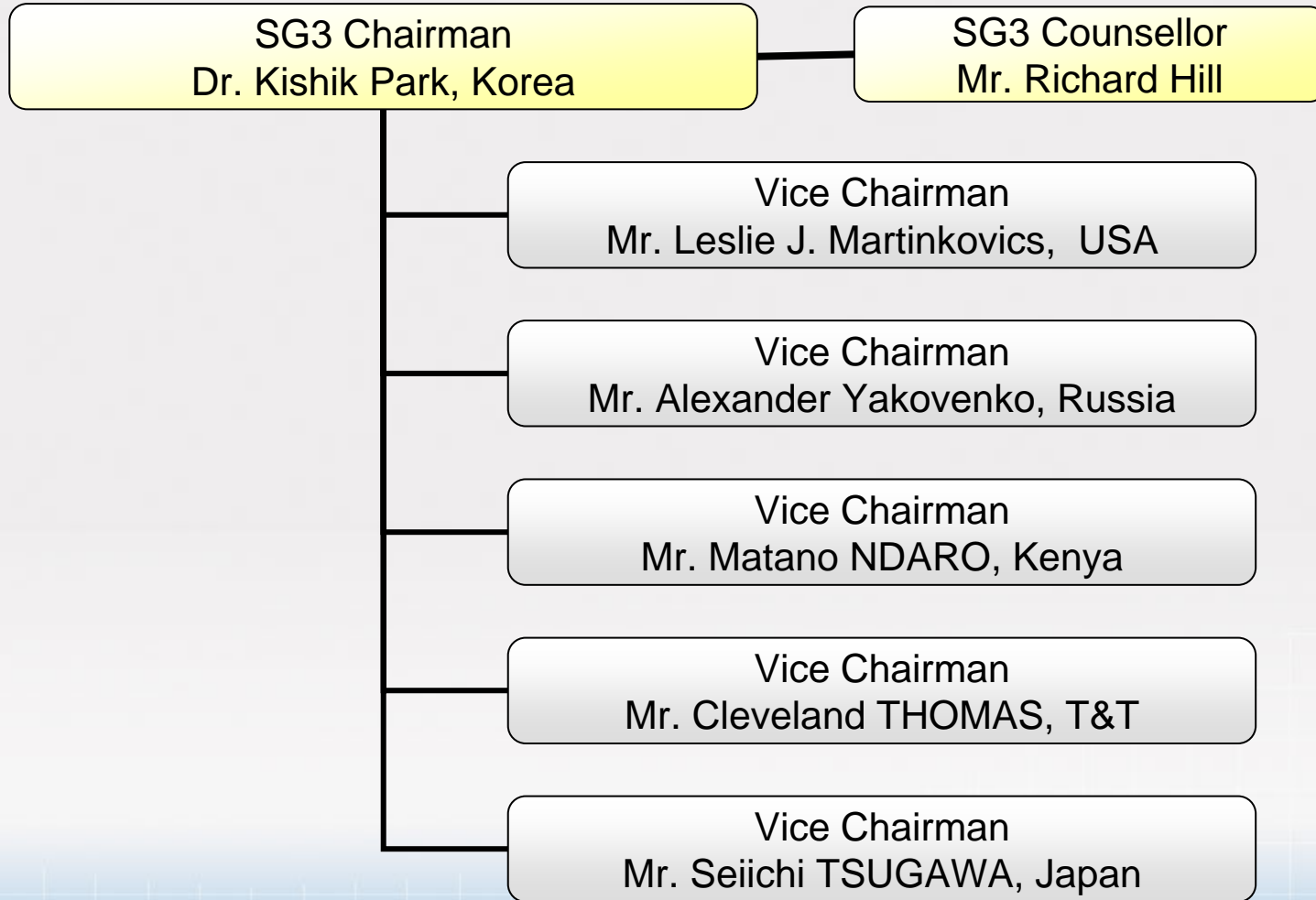
- I. Structure of the ITU-T SG3
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(Jan. 2009 SG3 Meeting)
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# I. Structure of the ITU-T SG3

- The sole group which deals with tariff and charging issues for int'l telecom. services under UN as well as a non-technical study group within the ITU-T
- Responsible for studies relating to
  - ◆ tariff and accounting matters (including costing methodologies) for international telecommunication services and study of related telecommunication economic, accounting and policy issues
  - ◆ foster collaboration among its members with a view to the establishment of rates at levels as low as possible consistent with an efficient service and taking into account the necessity for maintaining independent financial administration of telecommunication on a sound basis
- Focuses on broad area of telecommunication services from traditional telephone services to new services incl. NGN
- Attracts 160 delegates from 60 countries, from service providers, research institutes, governments, regulatory bodies, etc.



- WP1: Network capabilities and service features' tariff principles
- WP2: Charging, Accounting and Settlement of traditional services
- WP3: Study of economic and policy factor for international telecommunication services
- SG3 Regional Group [RG]: Africa, Asia and Oceania, Latin America and the Caribbean, Europe and Mediterranean Basin, Arab[?]\*
- Rapporteur Group on Terms and Definitions



# SG3 Questions ('09-'12 study period)



Question	Title
<b>Working Party 1/3- Tariff principles related to the network capabilities and service features made available by new technologies</b>	
1/3	Development of charging and accounting/settlement mechanisms for international telecommunication services using the NGNs and any possible future development, including adaptation of existing D-series Recs.
1/3 study items	<b>Mobile communications, "IP Telephony", IIC, Traffic Flow Multifactors and Internet Traffic Flow Methodology, NGN, Accounting and settlement based on IPDR, enhanced signaling</b>
<b>Working Party 2/3 – Charging, accounting and settlement of traditional telecommunications services</b>	
2/3	Development of charging and accounting/settlement mechanisms for international telecommunications services, other than those studied in Question 1/3, including adaptation of existing D-series Recs.
2/3 study items	<b>Mobile/Fixed Termination Rate, Flat rate for mobile/fixed, Accounting/Settlement rates for fixed, Alternative accounting procedures, Mobile roaming, Tariff issues for cross-border, etc.</b>
<b>Working Party 3/3- Study of economic and policy factor for international telecommunication services</b>	
3/3	Study of economic and policy factors relevant to the efficient provision of international telecommunication services
3/3 study items	<b>Policy and economic issues, Network externalities, Universal service obligations, Impact of the choice of accounting rate currency, Impact of convergence of services, ITRs, etc.</b>
<b>Regional Tariff Groups – SG3RG-AFR, SG3RG-AO, SG3RG-LAC</b>	
4/3	Regional studies for the development of cost models together with related economic and policy issues
<b>Rapporteur Group on Terms and Definitions</b>	
5/3	Terms and definitions for Recommendations dealing with tariff and accounting principles



# Working Party Management and Rapporteurs (1)



## ■ Working Party 1

Position	Name
WP1 Chairman	- Mr. Leslie J. MARTINKOVICS, USA
WP1 Vice Chairman	- Ms. Hye Jin Park, Korea
Rapporteur, IP Telephony	- Ms. Marilyn S. CADE, USA
Rapporteur, International Internet Connectivity	- Mr. FERNANDEZ BEGNI Facundo, Argentine - Ms. Jane COFFIN, USA
Rapporteur, Traffic Flow Multi-Factors	TBD
Rapporteur, Next Generation Networks	- Mr. Chul Soo KIM, Korea



# Working Party Management and Rapporteurs (2)



## ■ Working Party 2

Position	Name
WP2 Chairman	- Mr. Seiichi TSUGAWA, Japan
WP2 Vice Chairman	- Mr. Alexander YAKOVENKO, Russia
Rapporteur, Mobile Termination and Mobile Roaming	- Ms. Eriko Hondo, Japan
Rapporteur, Dispute Prevention and Resolution	- Mr. Jacek LANCEWICZ, Poland
Associate Rapporteur, Mobile Roaming	- Ms. Joséphine Adou Biendjui, Côte d'Ivoire - Mr. Omar Al-Rashdan, Jordan

# Working Party Management and Rapporteurs (3)



## ■ Working Party 3

Position	Name
WP3 Chairman	- Mr. Cleveland Thomas, T&T
WP3 Vice Chairman	- Mr. Abossé Akue-Kpakpo, Togo
Rapporteur, Network Externalities	- Mr. Vince AFFLECK, UK - Mr. Louw MIDDEL, South Africa
Rapporteur, Alternative calling procedures	- Mr. Omar Al-Rashdan, Jordan

## ■ Terms and Definitions Rapporteur Group

Position	Name
Rapporteur	- Ms. Marie-Therese Alajouanine

## ■ Ad-hoc Group on Developing Countries Issues

Position	Name
Chairman	- Mr. Matano Ndaro

## II. Highlights of the Discussions

(Jan. 2009 SG3 Meeting)

## ■ WTSA-08 Results Implementation

- ◆ Restructuring of the SG3 Working Parties and Management Team
- ◆ Approval of the newly agreed Questions to be studied in 2009-2012 study period

## ■ Working Methods

- ◆ Having an agreed objective and a timeline for attaining the objective, in particular for Rapporteur groups
- ◆ Inviting a half-day session of workshop or panel discussion at each meeting

## ■ Collaboration with SG3 Regional Groups

- ◆ Strengthening cooperation and liaison between SG3 and regional groups
- ◆ Strengthening cooperation between each regional group (e.g. adding "collaboration with other regional groups" to agenda items)

## ■ Approved Recommendations

- ◆ Approval of the revised D.93, "Charging and accounting in the international land mobile telephone service (provided via cellular radio systems)"

## ■ International Internet Connectivity

- ◆ Studying on tariff and economic issues regarding IIC including ways and means to reduce the cost of IIC, the use of IXs to reduce the cost of IIC
- ◆ A mini panel on reducing the cost of IIC will be organized at the next SG3 meeting (Sep 2009, Uganda)

## ■ Traffic Flow Multifactors and Internet Traffic Flow Methodology

- ◆ A draft Recommendation D.51, "Use of Border Gateway Protocol Routers to Estimate Traffic Flows" by China, which proposes a method for computing traffic flow for the technical layer to be referred to in bilateral negotiations, has been discussed.
- ◆ Technical aspects regarding D.51 has to be further studied.
- ◆ A timeline and work plan for achieving the objective will be developed at the next SG3 meeting (Sep 2009, Uganda).

## ■ NGN

- ◆ Study on enhancing Recommendation D.271, "Charging and accounting principles for NGN" will be continued incorporating IP Data Records and enhanced signalling issues.

## ■ Mobile Roaming

- ◆ By recognizing the increasing interest in international mobile roaming and studies being undertaken by many fora worldwide, a Rapporteur group has been created.
- ◆ The objective of the work is to explore relevant studies and market developments that are related to a reduction in mobile roaming rates.
- ◆ Developed ToR, deliverables, and timeline (TD37-PLN/3)

## ■ Guidelines Based on International and Regional Practices for Resolution of Disputes Regarding Charging

- ◆ Contributions from GSC (Global Settlement Carrier), USA have been introduced which stressed the importance of dispute prevention and settlement process
- ◆ A Rapporteur group has been created with the objective to develop possible guidelines or Recommendations with a view to standardizing the handling of incoming and/or outgoing declarations or invoices so as to prevent disputes by encouraging the use of standard processes and forms.

## ■ Policy and Economic Issues – IPv6

- ◆ Following-up on WTSA-08 Resolution 64, BDT had begun on collaboration for the project to study the allocation and economic aspects of IP address.
- ◆ A half-day panel regarding IPv6 issues that falls within the SG3 mandate to be held at the next SG3 meeting
- ◆ Experiences concerning the transition to IPv6 to be discussed at the next SG3 meeting

## ■ Network Externalities

- ◆ At the WTSA-08, D.156, “Network Externalities” has been approved with reservations from 28 countries
- ◆ Items to be further studied are included as an Appendix to D.156, and the objective is to complete the study by the 2011 SG3 meeting.
- ◆ Contributions are invited in particular from those countries that had expressed reservations and from the regional groups.



## ■ Financial Aspects of Network Security

- ◆ A study for TAS on Financial Aspects of Network Security: Malware and Spam, the report of the TAS Seminar on the Economics of Cybersecurity, Brisbane, Australia, 15 Jul 08 have been reviewed.
- ◆ Considering its importance and interest to developing countries, the report is to be submitted to ITU-D Programs 1, 2, and 4, and contributions from ITU-D related to economic effects of cybersecurity will be requested.

## ■ Misuse of Facilities and Services

- ◆ Liaison from SG2 on “Alternative Calling Procedure and Phantom Traffic” has been noted which provides information on use of alternative calling procedure, including call-back, refilling, hubbing, bypass, etc. resulting negative impact on developing countries’ concern of development of sound ICT networks and services.

# Highlights of the Discussions – Developing Country Issues



## □ Review of WTSA-08 Resolutions regarding developing country issues

- Resolution 17 on Telecommunication standardization in relation to the interests of developing countries
- Resolution 32 on Strengthening electronic working methods for the work of ITU-T
- Resolution 44 on Bridging the standardization gap between developing and developed countries
- Resolution 59 on Enhancing participation of telecommunication operators from developing countries
- Resolution 74 on Admission of Sector Members from developing countries in the work of ITU-T
- Resolution 76 on Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU mark programme
- Resolution 20 Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources and Resolution 29 Alternative calling procedures on international telecommunication networks
- Resolution 67 Creation of a Standardization Committee for Vocabulary (SCV)

# III. Possible Contribution Topics Expected for the Next SG3 Meeting

# Possible contribution topics expected for the next SG3 meeting



- Economic effects of call blocking on developing countries (Resolution 61)
- How to expedite its work on international connectivity, to collect data with respect to the implementation and practical effects of relevant resolutions and Recommendations (Resolution 62)
- Allocation and economic aspects of IP addresses (Resolution 64)
- Economics of cybersecurity (especially regarding items 17-21 of TD17(Plen/3))
- Impact of the growing scarcity of IPv4 addresses on settlement rates for voice traffic over IP networks at the wholesale level, termination rates for IP telephony, IIC, NGN
- IP Telephony Rapporteur group's objectives, deliverables, work plan, timeline
- Ways and means to reduce the cost of IIC
- TFMF issues (in need of traffic flow data offering from membership)
- Dispute process standardization, dispute management guidelines
- Efficiency of bill and keep in relation to billing for call termination
- Experiences in transitioning to IPv6

## IV. Next ITU-T Meeting Schedule

## ■ The 2<sup>nd</sup> ITU-T SG3 Meeting schedule

- ◆ When: 21 Sep 2009 – 25 Sep 2009
- ◆ Where: Kampala, Uganda

## ■ Tentative Future ITU-T SG3 Meeting Plans

- ◆ June(?) 2010, Korea
- ◆ May 2011, Geneva, Switzerland
- ◆ Jan 2012, to be announced
- ◆ Oct 2012, Geneva, Switzerland

## ■ Regional Group Meeting Plans

- ◆ SG3G-AFR: 6-8 May 2009, Maputo, Mozambique
- ◆ SG3RG-LAC: 24-26 Jun 2009, Lima, Peru

- Study Group 3's work typically affects major financial flows, which can be in the order of billions of dollars, so **careful study and consideration is required** before revising existing Recommendations or agreeing new Recommendations.
- The work of Study Group 3 will **be more critical to developing countries** as well as developed ones.
- To achieve expected outcome, we should have **a clear and agreed objective with specific timeline** for each study item.



# Thanks for your Attention !



For any further questions:

Dr. Kishik PARK / ITU-T SG3 Chairman

Tel: +82 42 860 6041, Fax: +82 42 860 6504

E-mail: [kipark@itu.int](mailto:kipark@itu.int), [kipark@etri.re.kr](mailto:kipark@etri.re.kr)