



**ASIA-PACIFIC TELECOMMUNITY**  
**1<sup>st</sup> Meeting of SATRC Working Group on Policy,**  
**Regulation and Services in SAP-IV**  
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**Document**  
**SAPIV/WGPRS01/INP-02**  
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**Acting Chairman, SATRC Working Group on Policy, Regulation and Services**

**REVIEW THE OUTCOMES OF THE SATRC ACTION PLAN III**

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**Review of the Outcomes  
of  
Working Group on Policy & Regulation  
and  
Working Group on Network & Services  
during SATRC Action Plan Phase III**

**Formation of the Working Group**

- During the SATRC Action Plan Phase III, there were following three Working Groups:
  - i. Policy and Regulation
  - ii. Network and Services
  - iii. Spectrum
- In SATRC Action Plan Phase IV, WGs i & ii above are merged to form WG on Policy, Regulation and Services.

## **Working Group on Policy & Regulation**

Four work items were assigned to the working group :

- i. Facilitation of Broadband in SATRC countries
- ii. Green Telecommunications
- iii. Key Regulatory issues on Voice-over-IP in SATRC countries
- iv. Critical Information Infrastructure Protection and Cyber Security

## **Meetings of the WG on P & R**

- 1<sup>st</sup> meeting of the WG was held in New Delhi, India in August 2010
  - defined the scope of work and developed work plan for each of the work items.
- 2<sup>nd</sup> meeting of the WG was held in New Delhi, India in December 2011
  - reviewed work progress on the work items and the draft outcomes
- Workshop on Policy and Regulation was held on 3 – 5 May 2011 in Male, Maldives.
  - discussed the current Policy and Regulatory issues relevant for SATRC countries

## Outcomes of the WG on P & R

- The Working Group finalized reports on all the four work items which were approved during 13<sup>th</sup> SATRC Meeting.
- i. **SATRC Guidelines on Facilitation of Broadband in SATRC countries** (Document: SATRC-13/INP-11)  
**Recommendations:**
  - a. **Policy and Strategies**
    - Government must play a very important role
    - Initiatives for enhancing both supply and the demand
    - Redefine Universal Services to include broadband
    - Strong policy and strategies to promote development of local contents through establishment of “Incubator centre”

## Outcomes of the WG on P & R contd. ...

- b. **Regulation on Spectrum**
  - Review traditional way of licensing spectrum
  - Develop flexible and service neutral licensing system
- c. **Regulation** - regulations that must be in place to ensure and promote the growth of broadband service:
  - Sharing of infrastructures through Open Access regulation
  - Licensing and authorisation framework
  - IP – interconnection
  - Competition through opening vertically integrated markets
  - Regulation in content
  - Ensuring secure cyber or on-line communications
- d. **Regional Network Connectivity**
  - Need to reduce the cost of international internet connectivity
  - Initiative to build a regional internet network that would provide direct exchange of regional traffic without need to go through other international network.

## **Outcomes of the WG on P & R** contd. ...

### **ii. Report on Green Telecommunications** (Document: SATRC-13/INP-12)

#### **a. Recommendations to the Governments**

- Measures to promote green telecommunications should be an integral part of the National Policy.
- Certification of all telecom products, equipments and services in the telecom network for Energy consumption by the year 2015.
- By 2015, all mobile phones should be free of brominates, chlorinated compounds and antimony trioxide
- Measures to collect and safe disposal of e-waste.

#### **a. Recommendations for Service providers**

- Adopt a Voluntary Code of Practice encompassing energy efficient Network Planning, active infrastructure sharing, deployment of energy efficient technologies and adoption of Renewable Energy Technology (RET)
- Should aim at Carbon emission reduction targets for the mobile network at 25% by year 2020.

## **Outcomes of the WG on P & R** contd. ...

### **iii. Guidelines on Key Regulatory issues on Voice-over-IP in SATRC countries** (Document: SATRC-13/INP-13)

#### **Recommendations**

#### **a. Classification / Definition of VoIP Services for Regulation**

- Light touch regulation for PC-to-PC or IP-to-IP Voice Communication
- Phone-to-Phone or Phone-to-IP device VoIP may be treated at par, in terms of interconnection, with PSTN/PLMN services.

#### **b. Categorisation of the VoIP under Universal Service Obligation**

#### **c. VoIP Interconnection with legacy Networks**

#### **d. Access to Emergency Call Services from VoIP**

#### **e. Security and Privacy in VoIP Application and Services**

#### **f. Interoperability and Standardisation**

#### **g. International Call Bypass**

#### **h. Quality of Service**

## **Outcomes of the WG on P & R** contd. ...

### **iii. Critical Information Infrastructure Protection and Cyber Security** (Document: SATRC-13/INP-14)

#### **Recommendations**

#### **a. Licensing & Regulatory Measures**

- Develop a robust Lawful Interception Monitoring (LIM) mechanism
- Establish country specific Computer Emergency Response Team (CERT) and Sectoral CERTs
- Establish a public-private architecture for responding to national - level cyber incidents
- Punitive measures against defaulting service providers in complying to regulatory instructions.

#### **b. Legal Measure**

- Adoption of appropriate legislation against the misuse of ICTs for criminal or disruptive purposes
- International cooperation, investigative assistance, common substantive and procedural provisions

#### **b. Technical and Procedural Measures**

#### **c. Customer Education & Capacity Building**

## **Working Group on Network & Services**

Four work items were assigned to the working group :

- i. Ensuring Quality Mobile Handsets to South Asian Consumers
- ii. Evolution of NGN and NGA: Interconnection Tariffs in SATRC Countries
- iii. Retail Tariffs: QoS Sensitive Pricing for IP based Services
- iv. Roaming and International Tariffs in SATRC Countries

## Meetings of the WG on N & S

- 1<sup>st</sup> meeting of the WG was held in Colombo, Sri Lanka in July 2010
  - defined the scope of work and developed work plan for each of the work items.
- 2<sup>nd</sup> meeting of the WG was held in Tehran, I. R. of Iran in December 2011
  - work progress on the work items and the draft outcomes
- Workshop on Network and Services was held on 12 – 14 July 2011 in Thimpu, Bhutan.
  - discussed the current innovation and regulatory aspects of the issues related to network and services

## Outcomes of the WG on N & S

- The Working Group finalized reports on two work items which were approved during 13<sup>th</sup> SATRC Meeting.
  - i. **Evolution of NGN: interconnection tariffs in SATRC countries**  
(Document : SATRC-13/INP-19)
    - Observations :**
      - In SATRC countries, deployment of NGN is in the preliminary stage
      - IP interconnection has not been adopted in any country of the region
      - Internationally, though NGN has been deployed in some countries, charging mechanism for interconnection in NGN scenario is still evolving
      - Report outlined some possible charging mechanisms in NGN scenario, which cannot be considered as the best practices guidelines for SATRC countries
    - Recommendations:**
      - Continuation of work on Interconnection charging mechanisms in NGN in the next phase also

## **Outcomes of the WG on N & S** contd. ...

### **ii. Guideline for SATRC on Ensuring Quality Mobile Handsets to South Asian Consumers** (Document: SATRC-13/INP-21)

#### **Recommendations:**

- a. Need for authentic and proper Declaration of Conformity (DoC)
- b. Harmonized Standard code to be published
- c. Need of unified standardization body
- d. Sharing database of IMEI/ESN of Mobile handsets
- e. Establishment of common accredited laboratory in the region
- f. Formulation of a mechanism for coordination among the member countries