

# **WTSA-08 Preparatory Meeting for the Americas Region**

## **Creation of ITU-T SGs 5 and 6 Regional Groups in Latin America.**

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**Anatel, Brazil**



21 May, Brasilia - Brazil

# Agenda

- Objective
- WTSA-04 Resolution 54 – Highlights
- Study Group 5
- Study Group 6
- Action plan proposed by the Brazilian administration
- Preliminary actions proposed by Brazil

# Objective

- Our main goal is to present the Brazilian proposal concerning the creation of ITU-T SGs 5 and 6 Regional Groups in Latin America.

# WTSA-04 Resolution 54 - Highlights

## *noting*

"the need to increase the participation of developing countries in the work of the other study groups, with a view to ensuring that their specific needs and concerns are better taken into account."

## *resolves*

"to support the creation of regional groups and to instruct the Directors of the TSB and the BDT to provide all necessary support for creating and ensuring the smooth functioning of the regional groups."

# WTSA-04 Resolution 54 – Initiatives of ITU-T Study Groups

- Based on the resolves of Resolution 54, Study Group 5 (Protection against electromagnetic environment effects) and Study Group 6 (Outside plant and related indoor installations) have invited the Brazilian administration to consider the possibility of participating in the creation of a Regional Group to deal with issues concerning these Study Groups.

# WTSA-04 Resolution 54 – Brazil's response to ITU-T Study Groups

- The Brazilian administration considers that it holds the knowledge, expertise and appropriate structure to accept the invitation, and is honored to be entrusted with this important task;
- Brazil can act as a liaison between countries of the Americas and the study groups;
- The Brazilian administration is working closely with the TSB and the ITU regional office in Brasília.

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# **STUDY GROUP 5**

## **SG 5**

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# SG 5 – Management Team

- Roberto POMPONI– Chairman
- Gyorgy VARJU– Vice-Chairman
- Ahmed ZEDDAM– Vice-Chairman
- Ahmed ZEDDAM– WP1/5 Chairman
- Mitsuo HATTORI– WP2/5 Chairman
- Darren CARPENTER– WP2/5 Vice-Chairman
- Judit KATONA KISS- Counsellor
- Sarah SCOTT- Administrative Assistant



# SG 5 – Area of Responsibility

- **Responsible for studies relating to:**
- protection of telecommunication networks and equipment from interference and lightning.
- As well as electromagnetic compatibility (EMC), safety and health effects connected with electromagnetic fields produced by telecommunication installations and devices, including cellular phones.

# Brazil's Current Position Within SG 5

- Júlio Cesar Fonseca acts as focal point for SG 5 and SG 6 regional groups;
- Célio Fonseca Barbosa acts as rapporteur of Study Question 5/5, "Lightning protection of telecommunication services".

# SG 5 – List of Questions

- 1/5- Co-location, unbundling and interoperability in telecommunications networks
- 2/5- EMC related to broadband access networks
- 3/5- Radio-frequency environmental characterization and health effects related to mobile equipment and radio systems
- 4/5- Resistibility of communication equipment
- 5/5- Lightning protection of telecommunication systems
- 6/5- Bonding configurations and earthing of telecommunication systems in the global environment

# SG 5 – List of Questions

- 7/5- EMC prediction through mathematical modelling
- 8/5- Home networks
- 9/5- Interference produced by power lines and electrified railway lines into telecommunications networks
- 10/5- Methodology for solving electromagnetic problems in telecommunications installations
- 11/5- Safety in the telecommunications networks
- 12/5- Maintenance and enhancement of existing EMC recommendations

# SG 5 – List of Questions

- 13/5- Protective components and assemblies
- 14/5- Terminology and Publications
- 15/5- Security of telecommunication and information systems regarding electromagnetic environment.
- 16/5- EMC requirements for the Information Society

# SG 5 – Recommendations

- Recommendations produced: 76
- Study Period: 2005-2008
- Recommendations (K.67 to K.76): 10;
- Revised Recommendations: 9;
- Revised Directives and Handbooks.

# **STUDY GROUP 6**

## **SG 6**

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## SG 6 – Management Team

- Francesco MONTALTI – Chairman
- Carlos LAURIA– Vice-Chairman
- Alexandre TSYM- Vice-Chairman
- Alexandre TSYM- WP1/6 Chairman
- Stephen METTLER- WP1/6 Vice-Chairman
- Atilio REGGIANI- WP2/6 Chairman
- Viktor KATOK- WP2/6 Vice-Chairman
- Greg JONES- Counsellor
- Emmanuelle LABARE- Administrative Assistant

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# SG 6 – Area of Responsibility

- Developing standards relating to outside plant and related indoor installations in telecommunication networks.
- Assembling world-wide experts from developed and developing countries to produce operational guidelines on the construction and installation of optical and copper cable (both marine and terrestrial) and installation of roadside cabinets and cable-carrying poles.
- Protecting equipment from environmental impact, and outlines procedures for personnel safety.

# Brazil's Current Position Within SG 6

- Júlio César Fonseca is the focal point of SG 5 and SG 6 regional groups;
- Carlos Lauria is the vice-chairman of SG 6 and rapporteur of Study Question 3/6: "Technical aspects of unbundling and sharing of outside plant elements in networks";
- Atílio Reggiani is the chairman of WP 2: "Application of Products";
- Ronaldo Arruda is the rapporteur of study question 1/6: "Environmental and Safety Procedures for Outside Plant".



# SG 6 – List of Questions

- 1/6- Environmental and Safety Procedures for Outside Plant
- 2/6- Infrastructure and installation techniques for cables and equipment
- 3/6- Technical aspects of unbundling and sharing of outside plant elements in networks
- 4/6- Support systems for infrastructure and network elements management
- 5/6- Copper cables, networks and fiber-optic connection hardware for broadband access

# Study Group 6 – List of Questions

- 6/6- Optical fibre cable network maintenance
- 7/6- Optical fibre cable construction and function
- 8/6- Development of optical networks in the access area
- 9/6- Joint closures, termination and distribution frames, outdoor enclosures and passive components

# SG 6 – Recommendations

- Recommendations produced: 76
- Study Period: 2005-2008
- Recommendations (L.64 to L.80): 17
- Recommendations revised: 14
- Revision of Directives and Handbooks

# Action Plan - Proposal

WTSA-04 Resolution 54

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# Brazilian Administration Proposed Action Plan

## 1. General Aspects:

- Enhances the involvement of DCs in the standardization work of the SGs;
- Acknowledges that the telecom infrastructure in these countries is deficient because standards are not being appropriately followed;
- ITU-T also does not have a method to evaluate the level in which its Recommendations are being implemented.

# Brazilian Administration Proposed Action Plan

## 2. SG Action Plan:

2.1. Definition of the work programme (study questions):

- Identify and include the needs in the list of study questions.

2.2. Elaborate ITU-T Recommendations:

- Encourage DCs to contribute to the elaboration of recommendations;
- Organize local seminars, workshops and meetings.



# Brazilian Administration

## Proposed Action Plan

### 2.3. Implementation of ITU-T Recommendations:

- Support BDT's implementation efforts;
- Appoint a liaison officer from the SG membership as the focal point for feedbacks on the use of recommendations and best practices;
- Evaluate the level of implementation by having ITU-T experts visit the DCs telecom facilities;
- Identify existing implementation problems and suggest countermeasures.



# Brazilian Administration Proposed Action Plan

## 2.4. Promotion:

- Organize workshops, seminars and meetings relevant to DCs;
- Increase capacity-building for SG experts by having them participate in courses on telecom standardization;
- Maintain access to free online distribution of ITU-T recommendations and handbooks.

# Brazilian Administration Proposed Action Plan

## 2.5. Other activities:

- Participate with the SG experts in flagship groups;
- Support regional group activities;
- Liaise with the various BDT regional Centers of Excellence (CoE);
- Organize training courses.

# Conclusions: Preliminary actions

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# Actions Proposed

- Identification of regional experts in regional operators and regulatory agencies, and encouragement for their participation;
- Assessment of the needs of regional operators and countries concerning SG 5 and SG 6 list of questions and consideration of these needs on their respective study plans;
- Organization of regional seminars, workshops and SG meetings in the Americas;

# Actions Proposed

- Provision of information on ongoing studies and future developments to the regional experts and other interested parties;
- Search for ways to provide regional contributions on topics related to SG 5 and SG 6 studies;
- Exchange of information with SG 5 and SG 6 on the actions and bottlenecks of regional group's activities.

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