



# Cybersecurity Symposium

MONDAY, 4 OCTOBER 2004, FLORIANÓPOLIS, BRAZIL

## AMNT-WTSA'04

The day before ITU's World Telecommunication Standardization Assembly (WTSA-04) gets under way, ITU will host a Cybersecurity Symposium. The event will address global concern on security in information and communication technologies (ICT), as well as providing a high-level overview of the subject using practical experiences to illustrate how specific threats can be dealt with.



With our increasing dependence on electronic communication networks, the importance of security cannot be overemphasized. The explosive growth in the use of this infrastructure has increased the reliance of organizations and individuals on the information stored and communicated using these systems. This has led to a heightened awareness of the need to protect data and resources.

Indeed, the recent World Summit on the Information Society (WSIS) highlighted the importance of ICT security as well as global standards in its declaration of principles.

Standards development bodies have a unique ability to address security vulnerabilities. As well as the publication and development of many important security Recommendations, ITU-T has actively encouraged many open discussions on providing security guidelines and identifying threats and vulnerabilities. ITU-T's work on security covers a wide area. Work includes studies into security from network attacks, theft or denial of service, theft of identity, eavesdropping, tele-biometrics for authentication, physical security, security for emergency telecommunications and telecommunication networks security requirements. Over seventy ITU-T Recommendations focusing on security have been published.

This Cybersecurity Symposium will aim to cover some of the most important issues facing network operators, enterprises, governments and individuals today and explain how ITU-T can help to make the cyberworld a safer place. The Symposium will bring together senior managers from administrations, computer emergency response teams (CERTs), network operators and equipment manufacturers to discuss the current state of cybersecurity, and consider future approaches to ensure security in cyberspace.

*Details and registration:*

[itu.int/ITU-T/worksem/cybersecurity](http://itu.int/ITU-T/worksem/cybersecurity)

*ITU-T Workshops and Seminars:*

[itu.int/ITU-T/worksem](http://itu.int/ITU-T/worksem)

# Cybersecurity Symposium

## SYMPOSIUM OBJECTIVES

- To act as an information sharing and networking event
- To raise awareness of the critical nature of the issues involved, the global nature of the problems and need for international cooperation
- To highlight the need for standards development in the field

Topics to be covered at the *Cybersecurity Symposium* include network architecture, communication protocols, physical transmission media, and telecommunication network infrastructure including design, deployment and maintenance. The event will also include sessions on telecommunication policy, practices, regulation, economics, user responsibilities, and the legal framework in which telecommunication services operate.

## PROGRAMME

### OPENING

*Mr H. Zhao, Director of the Telecommunication Standardization Bureau (TSB)*

*Mr Y. Utsumi, Secretary-General of the International Telecommunication Union (ITU)*

*Mr P. J. Ziller de Araújo, President of Anatel, Brazil*

### CYBERSECURITY THREATS: WHAT ARE THE ISSUES?

This first session seeks to examine current thinking on vulnerabilities in telecommunication and information systems infrastructure. Presentations will draw on presenters' knowledge of threats posed, damage from threats, motivations behind threats, scenarios for cyberattacks, targets of such attacks, and what the future holds as we move towards an increasingly high-tech and wireless world.

#### Moderator:

*Mr L. Munoz, Corporate Manager, Information Security, Compañía Anónima Nacional Teléfonos de Venezuela (CANTV), Venezuela*

#### Speakers:

*Mr C. Brookson, Head of Technology and Standards, Department of Trade and Industry (DTI), UK*

*Mr F. Quick, Senior Vice President of Technology Corporate Research and Development, Qualcomm, USA*

### EXPERIENCES WITH AND RESPONSES TO CYBERSECURITY THREATS

This session will relate actual experiences of cyberattacks, and how they were dealt with. It may include examples of government, private sector and regional initiatives, as well as multilateral collaborative initiatives to share information on incidents, and mitigation and recovery strategies.

#### Moderator:

*Ms C. Hoepers, Security Analyst, NIC BR Security Office (NBSO), Brazilian Computer Emergency Response Team (CERT), Brazil*

#### Speakers:

*Mr A. Kremer, Chairman of Executive Committee, Russian Association of Networks and Services, Russia (Second speaker to be confirmed)*

### STANDARDS, POLICY, REGULATORY AND LEGAL ASPECTS

This session will explore the potential standards, regulatory and legal tools which could be deployed to reduce or eliminate damage from cyberattacks, and to increase the robustness of both the telecommunication and information systems infrastructure and the legal and regulatory framework within which it operates. The session will also discuss standardization, policy and regulatory initiatives involving companies, administrations and regional bodies, which are aimed at further securing cyberspace.

#### Moderator:

*Ms M. Gordon, Director, Telecommunications and Standards, US Department of State, USA*

#### Speakers:

*Mr A. Webling, Special Adviser, National Information Infrastructure Protection, Information and Security Law Branch, Attorney General's Department, Australia*

*Mr W. Fumy, Vice-President, Security Technology, Siemens, Germany*

### PANEL DISCUSSION: LESSONS LEARNED AND THE WAY FORWARD

The end of the symposium will see a lively discussion led by moderators and speakers and involving all attendees on lessons learned and what kinds of good practice, approaches and initiatives might further secure cyberspace. The aim is to identify key measures that can be taken by ITU, its membership and related organizations to address these issues.

#### Moderator:

*Mr M. Binder, Assistant Deputy Minister, Spectrum, Information Technologies and Telecommunications, Industry Canada, Canada*