ITU Development Sector Cybersecurity Activities

Workshop on Frameworks for National Action: Cybersecurity and Critical Information Infrastructure Protection

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Geneva, Switzerland

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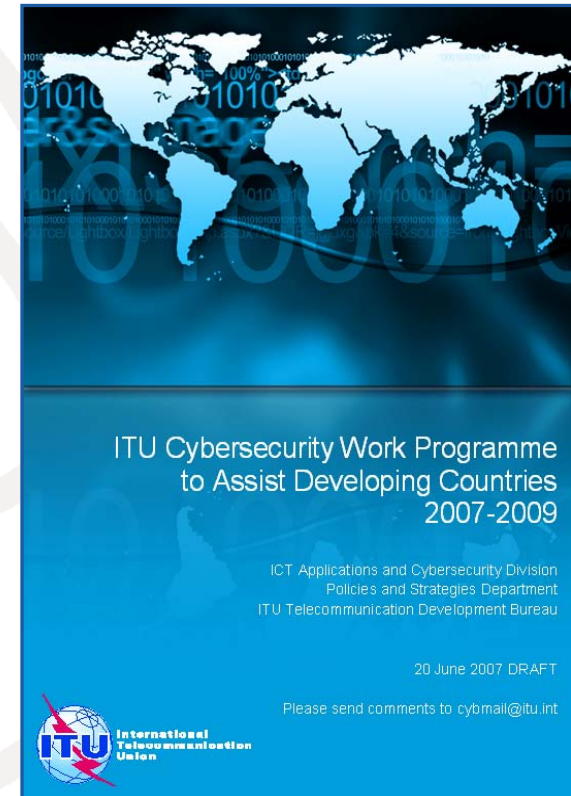ITU Telecommunication Development Sector

ITU Development Sector Role

- ITU Resolution 130: Strengthening the role of ITU in building confidence and security in the use of information and communication technologies (Antalya, 2006);

- From World Telecommunication Development Conference (Doha, 2006):
  - ➢ Cybersecurity priority in Programme 3 activities
  - ➢ ITU-D Study Group Question 22/1: Securing information and communication networks: Best practices for developing a culture of cybersecurity

ITU Cybersecurity Work Programme to Assist Developing Countries

- Most countries have not formulated or implemented strategies for cybersecurity and/or Critical Information Infrastructure Protection (CIIP)

- ITU Work Programme scopes a set of high level assistance activities

- Also scopes detailed activities planned in the 2007-2009 period by the ITU Development Sector's ICT Applications and Cybersecurity Division

- Close synergies with ITU-D Study Group Question 22/1: Securing information and communication networks: Best practices for developing a culture of cybersecurity

ITU Cybersecurity Work Programme
to Assist Developing Countries
2007-2009

ICT Applications and Cybersecurity Division
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www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-cybersecurity-work-programme-developing-countries.pdf

Cybersecurity Work Programme to Assist Developing Countries: High Level Elements

- Assistance related to Establishment of National Strategies/Capabilities for Cybersecurity and Critical Information Infrastructure Protection (CIIP)
- Assistance related to Establishment of appropriate Cybercrime Legislation and Enforcement Mechanisms
- Assistance related to establishment of Watch, Warning and Incident Response (WWIR) Capabilities
- Assistance related to Countering Spam and Related Threats

- Assistance in Bridging the Security-Related Standardization Gap between Developing and Developed Countries
- Establishment of an ITU Cybersecurity/CIIP Directory, Contact Database and Who's Who Publication
- Cybersecurity Indicators
- Fostering Regional Cooperation Activities
- Information Sharing and Supporting the ITU Cybersecurity Gateway
- Outreach and Promotion of Related Activities

ITU needs to engage with many actors in the International Cybersecurity/CIIP Ecosystem

Laws, Legislation & Enforcement
- UN Office for Drugs and Crime (UNODC)
- Council of Europe
- European Union
- National Justice Ministries
- Interpol
- Etc.
- Association of Southeast Asian Nations (ASEAN)
- Organization of American States (OAS)
- Asian-Pacific Economic Cooperation (APEC)

Watch, Warning & Incident Response
- Forum for Incident Response and Security Teams (FIRST)
- European Network and Information Security Agency (ENISA)
- CERT/CC
- European Government CERTs (EGC) Group
- Etc.
- International Watch and Warning Network

Information Sharing
- Org. for Economic Co-operation and Development (OECD)
- Asia-Pacific Telecommunity (APT)
- Asian-Pacific Economic Cooperation (APEC)
- European Network and Information Security Agency (ENISA)
- World Bank
- Meridian
- Etc.
- African Union
- Organization of American States (OAS)
- Arab League

Privacy, Data & Consumer Protection
- Annual Intl. Conf. of Data Protection & Privacy Comm.
- ITU-T Focus Group on Identity Management
- Intl. Working Group on Data Protection in Telecomm. (IWGDPT)
- Electronic Privacy Information Center (EPIC)
- European Union
- Etc.
- Org. for Economic Co-operation and Development (OECD)
- Privacy International

Countering Spam
- Stop Spam Alliance
- Etc.
- Seoul-Melbourne MoU
- National/Regional CAUCE
- London Action Plan (LAP)
- Messaging Anti-Abuse Working Group (MAAWG)
- Org. for Economic Co-operation and Development (OECD)
- Asia-Pacific Economic Coopeartion (APECTEL, SPSG)
- Anti-Phishing Working Group (APWG)
- The EU Contact Network of Spam Authorities (CNSA)

Technical Standards & Industry Solutions
- Many Industry Fora
- International Chamber of Commerce (ICC)
- World Information Technology and Services Alliance (WITSA)
- Etc.
- ITU-T Study Group 17
- Internet Engineering Task Force (IETF)
- European Technical Standards Institute (ETSI)
- International Organization for Standardization (ISO)

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Examples of Specific Initiatives

- Pilot projects for National Cybersecurity/CIIP Readiness Self-Assessment Toolkit
- Botnet Migitation Toolkit
- Cybersecurity Guideline Publications for Developing Countries
- International Survey of National Cybersecurity/ CERT Capabilities
- 2007-2008 Regional Workshops on Frameworks for Cybersecurity and Critical Information Infrastructure Protection

- Study on Economics of Spam (with ITU-T Study Group 3)
- Translation of Message Anti-Abuse Working Group (MAAWG Best Practices Document)
- Translation of CERT.BR cartoons to educate users and promote culture of cybersecurity
- Spam Initiatives Survey
  - ➢ Activities to support StopSpamAlliance
- Toolkit for Promoting a Culture of Cybersecurity
- Joint ITU-D/ITU-T Promotion of ITU-T Study Group 17 Activities

Regional Workshops on Frameworks for Cybersecurity/CIIP

- Hanoi, Vietnam
  - ➢ 28-31 August 2007
- Buenois Aires, Argentina
  - ➢ 16-18 Oct 2007
- Praia, Cape Verde (for West Africa)
  - ➢ 27-29 November 2007
- Cairo, Egypt
  - ➢ ~6-8 May 2008 (with TELECOM Africa)
- Bangkok, Thailand
  - ➢ ~8-10 Sept 2008 (with TELECOM Asia)

More Information

- ITU-D ICT Applications and Cybersecurity Division
  - www.itu.int/itu-d/cyb/
  - Cybersecurity activities/resources at www.itu.int/itu-d/cyb/cybersecurity/
- Cybersecurity National Self-Assessment Toolkit
  - www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-cybersecurity-national-self-assessment-toolkit.pdf
- Regional Workshops on Frameworks for Cybersecurity and Critical Information Infrastructure Protection
  - www.itu.int/ITU-D/cyb/events/
- Botnet Mitigation Toolkit
  - www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-botnet-mitigation-toolkit.pdf
- Cybersecurity Publications
  - www.itu.int/ITU-D/cyb/publications/

International Telecommunication Union

Building the Information Society