ITU-D's Activities in the Area of Cybersecurity and CIIP

ITU Regional Cybersecurity Forum for Africa and Arab States

4-5 June 2008
Tunis, Tunisia

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ITU International Telecommunication Union

Committed to connecting the world

ITU in brief

- Leading UN agency for information and communication technologies (ICT)
- The oldest UN agency (143 years)
- Global focal point for governments and the private sector. ITU's role in helping the world communicate spans 3 core sectors:
  - ➢ radiocommunication (ITU-R)
  - ➢ standardization (ITU-T)
  - ➢ Development (ITU-D)
  - ➢ ITU also organizes TELECOM events
- ITU is based in Geneva, Switzerland, and its membership includes 191 Member States and more than 700 Sector Members and Associates.
- Website: http://www.itu.int

- **ITU's mission is to** enable the growth and sustained development of telecommunications and information networks, and to facilitate universal access so that people everywhere can participate in, and benefit from, the emerging information society and global economy.

- Instigator and manager of the World Summit on the Information Society (WSIS) held in two phases

  - ➢ Sole Facilitator for **WSIS Action Line C2** "Information and communication infrastructure", **WSIS action Line C5** "Building confidence and security in the use of ICTs", **WSIS action Line C6** " Enabling Environment
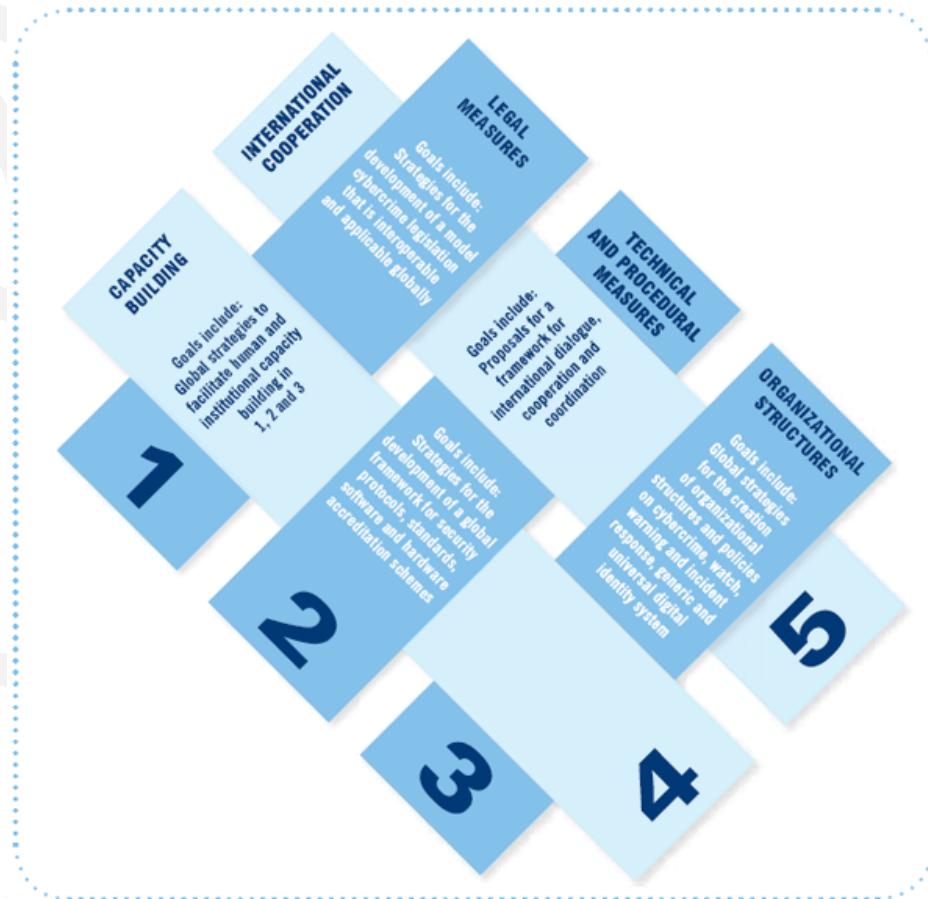
ITU and Cybersecurity

- ITU constitutes a unique global forum to discuss related to cybersecurity

- ITU Membership has been calling for a greater role to be played by ITU in matters relating to Cybersecurity through a number of Resolutions, Decisions, Programmes and Recommendations

- ITU provides a global perspective and expertise, promoting cybersecurity through a range of activities related to standardization, radiocommunication and technical assistance to developing countries tailored to their specific needs.

Global Framework for Cybersecurity: ITU's Global Cybersecurity Agenda

- Legal Measures

- Technical and procedural measures

- Organizational Structures

- Capacity building

- International cooperation

The ITU-D approach

Needs for global solutions and harmonized international frameworks

ITU Global Cybersecurity Agenda (GCA)

Integrated approach to Cybersecurity undertaken within the WTDC Programme 3 managed by ICT applications and Cybersecurity division

Implementation at national, regional and international level

Special focus on Developing Countries

Multi-stakeholder approach

ITU Study Groups work – ITU Conferences outcomes

Addressing the specific requirements of the Countries, to provide strategies at national level

Objectives of the Regional Cybersecurity Forum

- Development of a legal framework;

- Development of watch and warning and incident management capabilities, including the establishment of a national computer incident response team (CIRT); and,

- Actions to be considered when developing a national cybersecurity strategy and harmonization within the key principles of international cooperation

Legal Measures

Objective

- Harmonization of legal frameworks and the elaboration of strategies for the development of cybercrime legislation that is globally applicable and interoperable with existing national/regional legislative measures.

Related activities/initiatives

- ITU Cybercrime Legislation resources
- Capacity building and training
- Regional workshops and events

ITU Cybercrime legislation products

ITU Toolkit for Cybercrime Legislation
aimed to provide countries with sample legislative language and reference material that can assist in the establishment of harmonized cybercrime laws and procedural rules
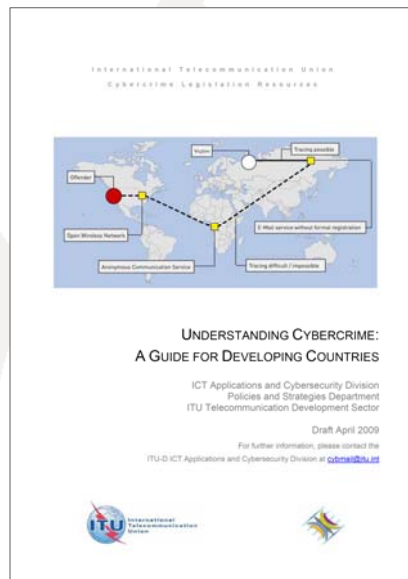
Understanding Cybercrime: a guide for developing countries provides a comprehensive overview of the most relevant topics linked to the legal aspect of cybercrime

www.itu.int/ITU-D/cyb/cybersecurity/legislation.html

Organizational Structures

Objectives

- Elaboration of global strategies for the creation of appropriate national and regional organizational structures and policies on cybercrime, watch, warning and incident response.

Related activities/initiatives

- IMPACT collaboration related services
  - ➢ IMPACT Global Response Centre services, etc.
- Development of national computer incident response teams (CIRTs) and related training, etc.
- Capacity building and training
- Regional workshops and events
- Direct assistance

Watch and Warning and Incident Management

- Assistance to Developing Countries in the Establishment of Watch, Warning and Incident Response (WWIR) Capabilities
  - ➤ Facilitate the deployment of IMPACT's Global Response Centre to Member States
  - ➤ Information package sent to all ITU Member States in April 2009
  - ➤ Some 15+ countries confirmed
- Developing Computer Incident Response Team (CIRT)
  - ➤ CIRT Toolkit being developed to assist in the establishment and implementation of national and regional centers
  - ➤ Direct assistance
  - ➤ Capacity building and training

www.itu.int/ITU-D/cyb/cybersecurity/wwir.html

Capacity building and international cooperation

Objectives

- Development of global strategies to facilitate human and institutional capacity building across all relevant aspects of cybersecurity

- Development of proposals to enhance international dialogue on issues that pertain to cybersecurity and enhance cooperation and coordination across all relevant activities

Related activities/initiatives

- ITU National Cybersecurity/ CIIP Self-Assessment Tool

- ITU Botnet Mitigation Toolkit

- Toolkit for Promoting a Culture of Cybersecurity

- ITU Cybersecurity Gateway

- ITU's Child Online Protection (COP) initiative

- Regional cybersecurity forums

ITU National Cybersecurity/CIIP Self–Assessment Toolkit, to assist governments in examining existing national policies, procedures, norms, institutions and other elements necessary for formulating security strategies in an ever-changing ICT environment.

ITU National Cybersecurity/CIIP
Self-Assessment Toolkit

This document is the DRAFT
ITU National Cybersecurity/CIIP National Self-Assessment Toolkit

October 2007 DRAFT
For further information, please contact the
ITU-D ICT Applications and Cybersecurity Division at <cybmail@itu.int>
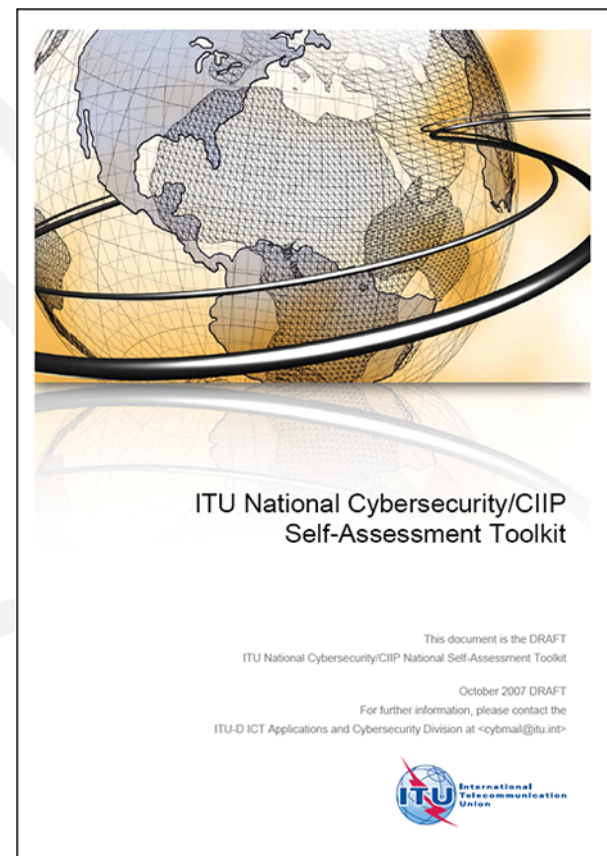
Building Capacity

ITU Botnet Mitigation Toolkit - Framework for national botnet related policy, regulation and enforcement. Multi-stakeholder international cooperation and outreach

Cybersecurity Guide in Developing Countries - A basic and easy-to-use information tool to provide an initial understanding of Cybersecurity related dimensions, and solutions scenarios
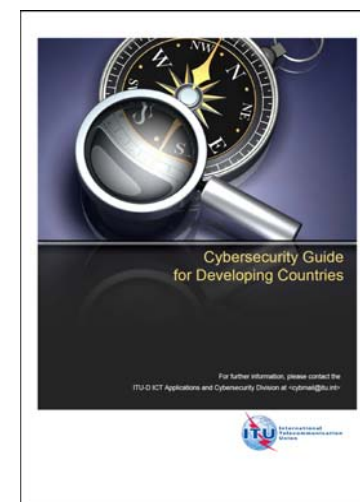
Regional Cybersecurity Forums – 8 Forums held in 2007, 2008 in all Regions. Next one in Tunisia, 4-5 June 2009

www.itu.int/ITU-D/cyb/events/

Child Online safety

Child Online Protection (COP)

- COP is a global initiative created by ITU, as part of the Global Cybersecurity Agenda, which aims to tackle cybersecurity holistically.

COP Objectives:

- Identify risks and vulnerabilities to children in cyberspace;

- Create awareness;

- Develop practical tools to help minimize risk;

- Share knowledge and experience.

- www.itu.int/cop/

COP related work

Guidelines – (Open for comment until 30th of June)

- Draft Guidelines for Children
- Draft Guidelines for Parents, Guardians and Educators
- Draft Guidelines for Industry
- Draft Guidelines for Policy Makers

National survey

- BDT is in the process of carrying out a National Survey into child online safety practices aimed at identifying country requirements regarding child e-safety.
  - ➢ 2009 National Child Online Protection Survey Report
  - ➢ A plan of action to respond to the needs identified and harmonize the different activities and project already undertaken

www.itu.int/osg/csd/cybersecurity/gca/cop/guidelines/

Cybersecurity Gateway

More Information

- ITU-D ICT Applications and Cybersecurity Division:
  - www.itu.int/itu-d/cyb/
- ITU-D Cybersecurity Overview:
  - www.itu.int/itu-d/cyb/cybersecurity/
- ITU National Cybersecurity/CIIP Self-Assessment Toolkit:
  - www.itu.int/ITU-D/cyb/cybersecurity/projects/readiness.html
- ITU-D Cybersecurity Work Programme to Assist Developing Countries:
  - www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-cybersecurity-work-programme-developing-countries.pdf
- Regional Cybersecurity Forums:
  - www.itu.int/ITU-D/cyb/events/
- Botnet Mitigation Toolkit:
  - www.itu.int/ITU-D/cyb/cybersecurity/projects/botnet.html
- Information on ITU Global Cybersecurity Agenda (GCA):
  - www.itu.int/gca/
- Details on Cybersecurity Activities Undertaken by ITU:
  - www.itu.int/cybersecurity/

Thank you for your attention!

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