



Asia-Pacific
Economic Cooperation



APEC TEL

Regional Workshop on Frameworks for
Cyber Security and Critical Information
Infrastructure Protection



The APEC TEL

- The Telecommunications and Information Working Group (TEL) aims to improve telecommunications and information infrastructure in the Asia-Pacific region by developing and implementing appropriate telecommunications and information policies, including relevant human resource and development cooperation strategies.
- The TEL's priorities are set by both Telecommunications and Information Ministers and Leaders and currently focus on -
 - * reducing the digital divide,
 - * next generation networks and technologies,
 - * e-government,
 - * mutual recognition arrangements,
 - * regulatory reform,
 - * capacity building,
 - * protecting information and
 - * communications infrastructure and cybersecurity,
 - * advancing the Asia Pacific Information Society.



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APEC TEL and Cyber Security

- Cyber Security issues under TEL was formerly under the e-STG (electronic-Security Task Group) of the APEC TEL.
- In 2006, TEL agreed on a new structure aimed to better respond to new challenges on ICT issues in APEC. Three steering groups on Liberalization, ICT Development, and Security and Prosperity, propose, implement and monitor projects and activities to advance the overall goals of APEC.
- Since 2006, Cyber Security issues now under the Security and Prosperity Steering Group (SPSG)

Cyber Security Policy Documents by the TEL

- 2002 APEC Cyber Security Strategy
- 2005 Guiding Principles for PKI-Based Approaches to Electronic Authentication
- 2005 APEC Principles for Action against Spam
- 2005 APEC Strategy to Ensure a Trusted, Secure and Sustainable Online Environment



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Assisting Business with Electronic Commerce Transactions - Projects

<p>APEC Guidelines for Secure International E-Commerce Transactions</p>	<p>The Public Key Infrastructure (PKI) guidelines will be used for a range of transactions including the formalization of contracts, shipping documentation, customs and quarantine clearance and taxation and online consumer purchases.</p>	<p>Completed in 2004</p>
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Institutional Infrastructure Conducive to Electronic Commerce - Projects

Strengthening
Effective
Response
Capabilities
among APEC
Economies

The project aims to

- (1) developing cooperative response guidelines in cross-border environment, which are applicable to all global economies
- (2) developing best practices for cooperative response based on public and private partnership
- (3) offering a training course on establishing and managing CERTs to developing economies.

All project results will be used as reference materials and contribute to strengthening the domestic and APEC regional incident response capabilities.

Ongoing



Cont;

APEC Principles for Action against Spam

The principles were adopted to encourage the development and implementation of an adequate legal and policy framework to combat spam. Promoting effective measures to prevent spam will reduce the associated costs to business, consumers and governments. The Principles were endorsed at the 6th Ministerial Meeting on Telecommunications and Information Industry (TELMIN6) held in Lima, Peru in June 2005.

Completed



Cont;

Guiding
Principles for
PKI-Based
Approaches to
Electronic
Authentication

To facilitate inter-jurisdictional acceptance of foreign certification authorities (CAs) and the development of cross-jurisdictional recognition arrangements for this purpose.

Completed



Completed Projects

E-Security
Aspects of
Essential
Infrastructure
Service

A set of principles and guidelines that are intended to raise awareness of SCADA security in relation to critical infrastructure was created. This project is consistent with the Lima Plan of Action, set down by Ministers at TELMIN6, directing the TEL to develop a set of guidelines to assist economies to protect from unwanted external attack on the electronic information systems of essential infrastructure and services.

Completed



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Collaborative work with the OECD

<p>APEC-OECD Workshop on Security of Information Systems and Networks (Seoul, Korea, 2005)</p>	<p>Discussions on security issues with regards to information systems and networks. The Symposium provided suggestions for policies and activities to be pursued further.</p>	<p>Completed</p>
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Collaborative work with the OECD

APEC TEL-
OECD Malware
Workshop
(Manila,
Philippines, April
2007)

The objective of the workshop was to explore more in-depth issues raised by malware and other related malicious activities over the network. The workshop also focused on the capabilities and counter measures for response to cyber attacks.

Completed



Collaborative work with the OECD

<p>APEC TEL –OECD Analytical Report on Malicious Software and Recommendations with Actions Plans against Malware and related Threat</p>	<p>It will serve as a guide to governments, highlighting the threats served by Malware and related threats together with recommended policies, guidelines and action plans to counter the threats.</p>	<p>Ongoing</p>
<p>APEC TEL-OECD Model Survey on Indicators for Trust</p>	<p>It will guide the development of national surveys for indicators of security and trust targeted at governments.</p>	<p>Ongoing</p>



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Collaborative work with the ASEAN

<p>APEC TEL and ASEAN workshop on Network Security (Manila, Philippines, April 2007)</p>	<p>It focused on Cyber crime Legislation: Policy and Regulatory and Enforcement Capacity Building. The workshop facilitated the experiences gained by APEC economies in the drafting of cyber crime type legislations and also the capacity building of enforcement bodies.</p>	<p>Completed</p>
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Ongoing Projects

Judge and Prosecutor Cyber Crime Enforcement Capacity Building Project

The project will develop a program for training judges and prosecutors in APEC Economies on technology and cybercrime-related issues. The goal of this project is to create a program that can be tailored to, and offered in, individual economies, and perpetuated through a train-the-trainer model.

The project will be implemented in early 2008.



Ongoing Projects

Workshops on Wireless Networks (2004 and 2006)

In 2004, the TEL hosted an awareness raising workshop on **Wireless Networks**.

This was followed up by the formation of a Temporary Wireless Working Group, which came back to the TEL with 6 recommendations comprising a proactive approach to the security and public safety problems potentially posed by wireless network technologies. Based upon these recommendations, a day and a half of workshops on wireless was held at TEL 33, and the TEL will continue to work on these issues going forward.

Ongoing



Ongoing Projects

Voice over IP (VoIP) Security Guidelines

The project aims to develop a multilingual document that explains to businesses what they should be doing with regards to VOIP security, with a particular focus on the needs of SMEs. This project will also establish a multilingual web site that contains the information from the booklet and also provides a forum where people can go to seek help.

Ongoing



Ongoing Projects

<p>Information Security Certifications Assessment Guide.</p>	<p>The project is proposed to develop an Information Security Certification Awareness Program, or “Buyer’s Guide,” that can be delivered to both the public and private sectors. In particular it seeks to help SMEs develop an understanding of the issues to help them choose security employees or suppliers.</p>	<p>Ongoing</p>
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Ongoing Projects

APEC TEL PKI/E- Authentication Training Program

The main objective of this project is to encourage PKI/E-AUTHENTICAITON training activities and strategic promotion to accelerate PKI/E-AUTHENTICAITON prevalence and information security in e-Commerce.

The PKI/E-AUTHENTICAITON Training Program will give all the participant economies a chance to practice and exercise a more effective PKI/E-AUTHENTICAITON implementation.

Ongoing



Ongoing Projects

<p>Guide on Policy and Technical Approach against Botnet</p>	<p>Aimed to raise awareness and provide useful countermeasures for the benefit of APEC member economies.</p>	<p>Ongoing</p>
<p>Workshop on Cyber Security and Critical Information Infrastructure Protection (CIIP).</p>	<p>It aims to address issues such as the value of exercises in establishing, testing and improving communications and cyber incident response as well as sharing best practices for successful exercises.</p>	<p>Will commence at TEL 37, Santiago, Chile</p>



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Thank You

Security and Prosperity Steering Group (SPSG)

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