

| <b>APEC SERVICES ACTION PLAN</b>        |  |   |                            |               |
|---|--|---|----------------------------|---------------|
| <b>Matrix of Actions: Policy Issues</b> |  |   |                            |               |
| <b>Policy Issue</b>                     | <b>Initiative</b>  | <b>Objectives</b>   | <b>Forum/<br/>End Date</b> | <b>Status</b> |
| GENERAL                                 |  |   |                            |               |
|   | Policy Framework for Work on Services  | Provide a structure and mechanisms to develop APEC's work on services. Identify and study specific sectors and functional issues, such as sound regulatory practices and transparency.  | GOS<br>2000                | Completed     |
|   | Menu of Options for Voluntary Liberalization, Facilitation and Promotion of Economic and Technical Cooperation in Service Trade and Investment.<br>Menu Of Options...- Phase II (CTI 03/2001T) | Provide APEC members with a broad range of policy choices and options in the services area suitable for different economic circumstances, but which will all be relevant to the liberalization, facilitation and Economic and Technical Cooperation elements of services trade. | GOS<br>2001                | Completed     |
|   | APEC Principles for Cross-Border Trade in Services   | Provide a common direction and coherence to APEC's work on services trade and to build greater convergences among APEC member economies with respect to their policy frameworks to foster the development of open and efficient services markets in the APEC region.            | CTI<br>2009                | Completed     |
|   | APEC Services Action Plan  | Draw together APEC's services-related work into a consolidated document which will serve as a comprehensive policy framework that supports the expansion of services trade in the APEC region.  | CTI/GOS                    | Ongoing       |
| GROWTH STRATEGIES                       |  |   |                            |               |
|   | Workshop for Capacity Building on the Role of Cross-Border Services Trade in New Growth Strategies (CTI 04/2010T, Korea)   | Increase knowledge and understanding among APEC member economies of how services industry and cross-border services trade can contribute to new growth strategies   | GOS<br>2010                | Completed     |
| IMPACT OF SERVICES TRADE                |  |   |                            |               |
|   | Training Program on Trade in Services (CTI 16/1998T, China)  | Share experiences on liberalisation of services and increase knowledge of the current situation and future developing trends of the services sectors in the Asia Pacific region.  | GOS<br>1998                | Completed     |
|   | Trade Policy Dialogue on Trade in Services   | Broaden perspectives and sharing approaches on issues of interest.  | CTI/GOS<br>2000            | Completed     |
|   | Workshop On Service Trade Facilitation   | Enhance the understanding of importance of facilitation in service trade and investment.  | GOS<br>2000                | Completed     |
|   | Studies on the Costs and Benefits of Services Trade Liberalization (CTI 17/2002T, Indonesia)   | Illustrate the benefits and indicate how the costs can be managed to maximize the support for services trade liberalization.  | GOS<br>2003                | Completed     |
|   | Transparency Standards on Services (Section A to APEC Leaders' Statement on Transparency Standards)  | Enhance transparency as a means to regain investors' confidence.  | CTI<br>2003                | Completed     |
|   | IEG/GOS Joint Workshop on the Relationship Between Investment and Trade in Services in RTAs and Other International Investment Agreements (CTI 32/2007T, Australia)                            | Increase understanding of the interaction of the investment and services chapters of APEC RTAs and BITs.  | GOS/IEG<br>2007            | Completed     |

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| IMPACT OF SERVICES TRADE                |  |   |                            |                     |
|   | APEC Seminar on The Impact of Liberalization on Trade in Services (CTI 04/2008Trev1, Indonesia)                              | Increase understanding of the impact of liberalization of trade and ways to measure the impact.   | GOS 2008                   | Completed           |
|   | Capacity Building for Sharing Success Factors of Improvement of Investment Environment (CTI 32/2008T, Japan)                 | To provide capacity building to enhance the abilities of government officials to plan, develop and implement policies concerning international investment rules. To share successful experiences of APEC economies in investment liberalization, facilitation and promotion in the APEC region through identifying key success factors including improved policies. "Trade in Services" was one of three topics discussed.  | IEG 2008                   | Completed           |
|   | Converges/Divergences Study of FTAs: Cross-Border Services   | Increase knowledge of the similarities and differences across 42 RTAs/FTAs within APEC. Highlights the policy challenges in cases where divergences are identified.   | CTI 2009                   | Completed           |
|   | Capacity Building for Cross-Border Services Trade (CTI30/2008T, United States)   | Increase understanding of the commercial realities, opportunities and impediments to trade in cross-border services   | GOS 2009                   | Completed           |
|   | Trade in Services in the APEC Region: Patterns, Determinants, and Policy Implications  | To get a better understanding of the nature and the extent of the factors that determine cross-border trade in services in the APEC region. The report highlights areas and sectors in which policy reforms could have particularly large payoffs, also suggests that gains from reforms in services markets may be even greater than those for goods markets. The report also shows the relevance of these measures as factors contributing into the overall development pathway in the APEC region. | PSU 2010                   | Completed           |
|   | Progressing towards the APEC Bogor Goals: Perspectives of the APEC Policy Support Unit                                       | This report includes a section that evaluates the progress achieved by 5 industrialized economies and 8 developing (volunteering) economies in reducing barriers to trade in services. It includes an analysis of WTO commitments and Revised Offers; progress through RTA/FTAs; and domestic measures and other liberalization initiatives.  | PSU, SOM 2010              | Completed           |
|   | Reducing trade transaction costs in APEC through electronic commerce: A case study of Electronic Certificate of Origin (ECO) | The aim of this study is to assess the contribution of the actions and measures of the E-Commerce Steering Group towards reducing trade transaction costs by using a case study of an Electronic Certificate of Origin  | ECSG-PTS PSU 2011          | Being implemented.  |
|   | The Contribution of Data Privacy in Improving Trade Facilitation in APEC   | This report seeks to evaluate the impact that the activities of the Data Privacy Sub-Group have made towards improving trade facilitation in the APEC region.   | ECSG-DPG PSU 2011          | Being implemented.  |
|   | APEC Model Measures for RTAs/FTAs: Trade in Services   | Encourage a coherent and consistent approach to the design and content of FTAs, contributing to promotion of high-quality and comprehensive FTAs in the Asia-Pacific region.  | CTI 2006                   | Under consideration |

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| REGULATORY ISSUES                       |   |  |                            |                    |
|   | Menu Of Options For Voluntary Liberalization, Facilitation And Promotion Of Economic And Technical Cooperation In Services Trade And Investment – Phase III (CTI 04/2002T, Chinese Taipei)<br>Included workshop: "Towards Improving Regulation in the Service Sector" | Build capacity in the areas of domestic regulation, regulatory impact analysis and transparency.   | GOS<br>2003                | Completed          |
|   | APEC-IDRC Conference on Competition Policy Issues in Services Sectors   | Examine the impact of competition in selected services sectors using various case studies.   | CPDG/<br>GOS<br>2008       | Completed          |
|   | Capacity Building for Cross-Border Services Trade (CTI30/2008T, United States) [seminar on Regulatory Issues in Cross-Border Services Trade]  | Increase awareness of mechanisms for addressing regulatory issues in cross-border services trade   | GOS<br>2009                | Completed          |
|   | 6th Conference on Good Regulatory Practice (CTI 20/2010T) - US  | To share experiences on advances to date in improving regulatory practices, with a goal of identifying avenues to promote further improvements in the development and adoption of new regulations among members; and, to promote discussion among government officials, private business, and international organizations on the critical issues facing the APEC community to ensure regulations achieve desired public policy outcomes without creating unnecessary obstacles to trade. | SCSC                       | Being implemented. |
| HORIZONTAL ISSUES                       |   |  |                            |                    |
|   | Symposium on Movement of Natural Persons (Japan)  | Discuss issues impeding the movement of skilled and unskilled labour.  | CTI                        | Completed          |
|   | The Impact of Business Mobility in Reducing Trade Transaction Costs in APEC   | To calculate and assess the agreed Key Performance Indicators (KPIs) in order to estimate the contribution of business mobility, specifically the ABTC scheme, towards the TFAP II goal of a reduction in transaction costs.   | BMG/PSU<br>2011            | Ongoing            |

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| <b>Matrix of Actions: Technical Issues</b> |  |  |                        |               |
| <b>Technical Issue</b>                     | <b>Initiative</b>  | <b>Objectives</b>  | <b>Forum/ End Date</b> | <b>Status</b> |
| <b>SERVICES TRADE STATISTICS</b>           |  |  |                        |               |
|  | APEC Seminar of Statistical Reporting on Service Trade (CTI 04/2000T, China)                                       | Update framework of statistic reporting and data collection of trade in services; Improve methodology used for analysing the service trade data and its inference in the macro economy of APEC developing economies; and, Increase transparency by identifying issues affecting service trade with means of interpreting the service trade statistic data. | GOS 2000               | Completed     |
|  | Capacity building seminar-workshop on the measurement of international trade in services (CTI03/2008, Philippines) | Boost capacity of APEC economies to measure trade in services.   | GOS 2008               | Completed     |
| <b>CLASSIFICATION ISSUES</b>               |  |  |                        |               |
|  |  |  |                        |               |
| <b>RELATED TO WTO NEGOTIATIONS</b>         |  |  |                        |               |
|  | Transparency of Mode 4 Commitments (CTI 24/2004T, Canada)  | Creation of a template for APEC economies which would identify common approaches for providing additional information on mode 4 commitments.   | GOS 2005               | Completed     |
|  | APEC Seminar on Scheduling of Commitments under the GATS (CTI 20/2005T, Hong Kong, China)                          | Provide support to APEC economies in their preparation of services offers under the GATS and participation in the on-going WTO negotiations.   | GOS 2005               | Completed     |
|  | Workshop on WTO Rules Negotiation of Trade in Services (CTI 27/2006T, China)                                       | Improve member economies', especially developing economies', understanding on WTO rules negotiation and help them better participate in the WTO service s negotiations.  | GOS 2006               | Completed     |

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|---|--|---|------------------------|-------------------|
| <b>Matrix of Actions: Sector-specific</b> |  |   |                        |                   |
| <b>Sector-Specific Work</b>               | <b>Initiative</b>  | <b>Objectives</b>   | <b>Forum/ End Date</b> | <b>Status</b>     |
| <b>CROSS-CUTTING/ MULTISECTORAL</b>       |  |   |                        |                   |
|   | Best Practice Study of Efficient and Effective Administrative Arrangements for the Flow of Goods and Services Across Borders (CTI 28/2001T, Australia) | Identify capacity building opportunities and programs that could be developed to assist APEC economies wanting to improve their administrative processes for the free flow of goods and services across borders.  | MAG                    | Completed         |
|   | Addressing SME Business Constraints Through Services (CTI 13/2010T, United States)   | Examine the role that services play in enabling small- and medium-sized enterprises (SMEs) to better achieve their business and export potential, focusing on three sectors in particular – information and communication services, logistics services, and financial services. | GOS 2011               | Completed         |
|   | APEC Services Trade Access Requirements (STAR) Database - Phases 1 and 2 (CTI-GOS 29/2010T, Australia)   | Provide both industry and policy makers with a user friendly, easily accessible database through which they can identify the broad range of services market access, behind the border requirements and requirements affecting trade in services in APEC member economies.       | GOS 2011               | Being implemented |
|   | Sharing Key Success Factors and Experiences in Trade in Services for SMEs (CTI-GOS 10/2010T, Chile)  | Develop understanding of factors leading to successful export performance by services SMEs, including successful policies to promote or facilitate SMEs' services exports.  | GOS 2012               | Being implemented |
| <b>PROFESSIONAL SERVICES</b>              |  |   |                        |                   |
|   | APEC Directory on Professional Services, Phase I (CTI 30/1999T, Australia)   | Identify requirements for the provision of professional services in member economies and present this information to business in a user-friendly format.  | GOS                    | Completed         |
|   | Symposium on Mutual Recognition Agreements (CTI 26/2004T, Chile)   | Share experiences regarding mutual recognition and temporary licensing systems within the APEC region.  | GOS 2005               | Completed         |
|   | Forum on international trade in the professional services in APEC economies (TP 02/2006T, Malaysia)  | Explore practices and challenges of professional services providers and promote closer cooperation, transparency and networking   | WGTP 2007              | Completed         |
|   | Mapping of Qualifications Frameworks across APEC Economies (HRD 04/2008)   | Identify formal and informal qualifications framework systems, associated descriptors and quality assurance frameworks, and recognition agencies across APEC.   | HRDWG                  | Completed         |
| Engineering services                      | APEC Engineers project   | Facilitate trade in engineering services across the APEC region   | HRDWG                  | Completed         |
| Architecture services                     | APEC Architects project  | Facilitate trade in architectural services across the APEC region.  | HRDWG                  | Completed         |
| Legal services                            | APEC Legal Services Initiative (CTI 05/2009A, Australia)   | Facilitate the provision of services in foreign and/or international law throughout the APEC region.  | GOS 2010               | Completed         |
|   | APEC Legal Services Project (CTI 26/2010T, Japan)  | Creation of a databank of attorneys who work on trade and investment in the APEC region and capacity building seminars for international business lawyers.  | GOS 2011               | Completed         |
| Accounting services                       | APEC Accounting Services Initiative (CTI 27/2010A, Australia)  | Facilitate trade in accounting services across the APEC region.   | GOS 2011               | Being implemented |

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| <b>Matrix of Actions: Sector-specific</b> |   |  |                        |  |
| <b>Sector-Specific Work</b>               | <b>Initiative</b>   | <b>Objectives</b>  | <b>Forum/ End Date</b> | <b>Status</b>  |
| EDUCATION SERVICES                        |   |  |                        |  |
|   | Identification of Measures Affecting Trade and Investment in Education Services (Australia)   | Increase transparency by identifying measures affecting trade and investment in education services; and study the impact of free and open trade and investment in the education services sector.   | GOS 2000               | Completed  |
|   | Improving the Institute Capacity of Higher Education under Globalization: Joint Schools among APEC (HRD 03/2003, China)                                       | Share the past experience of joint schools in higher education among APEC economies. Analyse the present barriers and difficulties in joint schools of higher education among APEC. Explore the possible better ways of joint schools in higher education in future among APEC economies.  | HRDWG 2003             | Completed  |
|   | Forum on Trade in Education Services—APEC Participation (HRD 02/2004T, Australia)   | Promote understanding of trade and investment liberalisation in Education Services, one of the three pillars of APEC as adopted in the Osaka Action Agenda. Focus discussion on the challenges that developing economies face as importers and exporters of education. Enable transfer of knowledge and experience from developed to developing economies, particularly concerning trade negotiations and the establishment of accreditation and quality assurance frameworks. | HRDWG 2004             | Completed  |
|   | Capacity-building seminar on transnational education (TNE) services (CTI 02/2008, Philippines)  | Forum for exchanging insights on “best” practices and standards on TNE regulations, with focus on domestic regulations that strike a balance between promoting opportunities for TNE on one hand while ensuring the establishment of and managing quality of legitimate TNE arrangements.  | GOS 2008               | Completed  |
|   | Measures affecting cross border exchange and investment in higher education in APEC region (HRD 02/2008T, Australia)  | Identify costs and benefits of cross border exchange and investment in higher education in the APEC region across four modes of supply   | HRDWG 2009             | Completed  |
|   | Comparability and benchmarking of competencies and qualification frameworks in APEC Region (pilot area: construction/welding) (HRD02/2009, Philippines/China) | Boost awareness and information exchange on qualifications frameworks (QFs) and recognition agencies; identify capacity building needs for development and implementation of QFs to take advantage of freer movement of human capital and wider employment opportunities and address mismatch of skills and labour market requirements.  | HRDWG 2010             | Completed<br>Follow-up proposal under development [Seminar on Qualifications Frameworks across APEC Economies (Philippines)] |
|   | Case Studies of Public Education and Information Campaigns in APEC economies, and Development of Best Practice Guidelines                                     | The end-of-project target is transfer of existing knowledge, experience and guidelines concerning public information and education campaigns related to liquefied natural gas to developing APEC economies either contemplating or embarked upon expansion of LNG imports into their energy economy, enabling needed capacity-building in this area.   | EWG 2010               | Completed  |
|   | Higher education diploma supplement (HRD 12/2009, Australia)  | Raise awareness of Diploma Supplement (DS) as a tool for increasing transparency and reliability of information on higher education systems in APEC region, develop ‘agreed principles’, and identify capacity building needs of economies to develop and implement DS.  | HRDWG 2010             | Completed  |

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| EDUCATION SERVICES                        |   |  |                        |  |
|   | Capacity building for policies and monitoring of cross-border education in the APEC region (HRD 01/2010A, China)  | Contributing to improve the cross-border education quality assurance network, and to explore a cooperative mechanism for policy-making and monitoring among economies, esp. developing a network between and among the APEC economies in sharing information.  | HRDWG 2011             | Completed  |
|   | Quality in Higher Education: Identifying, Developing, and Sustaining Best Practices in the APEC Region(HRD 04/2010)   | Identify ways in which quality initiatives are being defined, developed, and practiced within higher education programs, institutions, or governments in the APEC region and in the process discover common and sustainable elements that are attributes of exemplary practice.  | HRDWG 2011             | Being implemented  |
|   | APEC SCSC Strategic Education Program for Trade Facilitation - Phase III. Exchange Program for Higher Education.  | This project is designed to assist both developing and developed economies in promoting education programs about standardization at university level in the region. The exchange program will include a special workshop to share perspectives and practices at university level education programs on standardization, and operate trial program in eight individual universities within the region to trigger standardization education programs and information exchange in practice. | SCSC                   | Being implemented  |
| ENERGY SERVICES                           |   |  |                        |  |
|   | APEC training seminar on trade in energy services (CTI 05/2008T, Philippines)   | Enhance understanding of, and capacity to participate in negotiations on trade in energy services  | GOS 2008               | Completed  |
|   | Reducing Barriers to trade through development of a common protocol for measuring the measuring the seasonal energy efficiency (SEER) of air conditioners. (EWG01/2009T). | The program helps reach the goal of global energy saving and reduce barriers in trade to stimulate the APEC economy of air-conditioning markets. This platform is applicable to both constant-speed air conditioners and inverter-type air conditioners, with a capacity under 14 kW.  | EWG 2009               | Completed  |
|   | Energy and Water Efficiency in Water Supply: Practical Training on Proven Approaches. (EWG12/2009A)   | To inform water utilities and municipalities in APEC economies of the benefits of launching efficiency programs in their water supply services and/or wastewater treatment facilities, and to build capacity in developing APEC economies, through training and the provision of guidance materials and tools, to carry out energy and water efficiency programs.  | EWG                    | Completed  |
|   | APEC Energy Standards Information System (ESIS)   | To provide up-to-date information about appliance and equipment energy standards and regulations and to provide "Communities of Practice" for experts and officials to discuss efforts to harmonize and rationalize the testing, labelling, and minimum energy standards for specific appliances and equipment; and others.  | EWG                    | Completed<br>[ESIS website ongoing at: <a href="http://www.apec-esis.org">http://www.apec-esis.org</a> ] |
|   | Reducing Trade Barriers for Environmental Goods and Services (Energy Efficient Products) in the APEC Region (Japan)   | To reduce unnecessary compliance costs, save energy and mitigate the impact of climate change by reducing barriers to trade and investment in environmental goods and services, specifically energy efficient products.  | EWG                    | Completed  |

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| ENVIRONMENTAL SERVICES                    |   |   |                             |               |
|   | Study on Impacts of Financial Crisis in SE Asia on Trade Liberalization in Environmental Goods and Services within APEC Economies (CTI 16/2000T, China) | Study impact of financial crisis in South East Asia on trade in environmental goods and services within APEC economies.   | CTI/ Env. EVSL Expert Group | Completed     |
|   | Study of impacts on APEC economies of measures to liberalize and facilitate trade in environmental services (CTI 19/2003T, China)                       | Examine impacts on APEC economies of liberalization of trade in environmental services.   | GOS 2004                    | Completed     |
|   | APEC Climate Center for Climate Information Services to Society   | APCC processes the collected data from 15 major climate centres in the APEC region and disseminates most optimized climate prediction information to 21 APEC members, including those members which have no capability to produce the high-cost climate information.  | IST 2008                    | Completed     |
|   | Building adaptive capability to extreme climate events through the networking among APEC Economies and relevant organizations/ projects.                | The proposed project facilitates the implementation and the operation of an early warning system for extreme climate events, based on the sharing of latest climate information through APEC Climate Network.   | IST 2009                    | Completed     |
|   | Environmental goods and services (climate change) one day workshop (CTI 30 2008T, New Zealand)  | Increase understanding of opportunities to liberalize trade in environmental goods and services relevant to climate change  | MAG 2009                    | Completed     |
|   | Environmental Goods and Services Workshop (CTI 32/2009T, Australia, Japan, New Zealand, Singapore)  | Enhance understanding of i) role and relevance of developing economies to EGS, ii) technologies for achieving greater energy conservation and efficiency, and iii) ideas for a common platform to eliminate/moderate existing obstacles to EGS.   | MAG 2009                    | Completed     |
|   | Workshop on Trade and Environment (Australia, Indonesia)  | Facilitate the sharing of ideas, information and experiences between participants to provide APEC policy-makers with tools to develop effective environmental regulations and to develop policies and regulations that do not distort trade in environmental technologies, goods and services.  | MAG 2009                    | Completed     |
|   | Survey on APEC trade liberalization in environmental services (CTI 31/2008T, China)   | Facilitate exchange of information relevant to liberalisation of trade in environmental services (ES) and ES-related technology   | GOS 2010                    | Completed.    |
|   | Information Exchange of Environmental Services (CTI-GOS 25/2010T, China)  | Follow-up to "Survey on APEC trade liberalization in environmental services" (CTI 31/2008T, China). Will facilitate the exchange of information on both liberalization and technology aspects of environmental services within APEC economies.  | GOS 2011                    | Completed     |
|   | Reducing Trade Barriers for Environmental Goods & Services in APEC region (Mapping Exercise of Energy Efficient Products)                               | To facilitate trade in environmental goods and services (EGS) by reducing non tariff barriers that currently exist for energy efficient products. Also, to reduce unnecessary compliance costs, save energy and mitigate the impact of climate change by reducing barriers to trade and investment in environmental goods and services, specifically energy efficient products. | EWG                         | Completed     |
|   | Conference on Standards and Conformance for Green Harmonization (SCSC 44/2009T, Japan)  | Share information on energy-efficiency regulation systems among government, business and international organizations.   | SCSC/ EWG/EGEE&C            | Completed     |



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| ENVIRONMENTAL SERVICES                    |   |   |                            |   |
|   | Reducing Trade Barriers for Environmental Goods and Services (Energy Efficient Products) in the APEC Region (Japan) EWG 01/2010T        | To reduce unnecessary compliance costs, save energy and mitigate the impact of climate change by reducing barriers to trade and investment in environmental goods and services, specifically energy efficient products.   | EWG                        | Completed   |
|   | Study on Good Regulatory Practices for Goods and Services Necessary or Desirable for Climate Change Mitigation and Adaptation           | Assist member economies to adopt trade-facilitating regulatory measures and to identify key impediments and drivers for trade in environmental goods and services.  | CTI                        | Being implemented   |
|   | Bio-fuel Transport and Distribution Options for APEC Economies  | Develop a set of criteria and best practices for evaluating options to expand the transportation infrastructure for bio-fuels and to examine effective approaches to facilitate the expansion of distribution infrastructure for ethanol and biodiesel.   | EWG                        | Being implemented   |
|   | Addressing Challenges of AMI Deployment in APEC EWG 07 2011A –  | An AMI system typically consists of three components – a “smart meter” at the customer’s premise, a communications network between the smart meter and the utility, and a “meter data management application” (MDMA) at the utility. The system can enable more intelligent energy consumption decisions for customer side and provide more efficient and reliable grid for utility side. | EWG                        | Being implemented.  |
|   | Conference on Implementation of Energy Management Standardization (CTI-SCSC 34/2010T, US)   | To understand the value that energy management standards can have to businesses, consumers, and the environment; and the role that energy management standards can play in assisting businesses (in emerging and developing markets) to become more competitive internationally.  | SCSC                       | Being implemented   |
|   | Cooperative Study on Efficient Renewable Resources Integration and Distribution Technologies for Smart Grid Construction (IST 01 2011A) | With wide participation of APEC economies in this project, not only the latest technologies would be studied and analyzed, the recommended technologies of renewable sources integration and customer-end management will also be utilized by prosperous enterprises to achieve the potential cooperation and technology transfer.  | IST                        | Being implemented   |
|   | APEC Environmental Goods and Services Information Exchange (EGSIE) portal (US, Canada, New Zealand)                                     | Provide public and private stakeholders in APEC economies with a means to access and share the latest information, studies, projects and commitments on EGS.  | MAG                        | Ongoing   |
|   | Environmental Goods and Services Case Studies (US, New Zealand and Australia)   | To identify the key EGS policies, market drivers, and challenges associated with promoting trade and investment in EGS in the selected APEC economies’ markets, provide a more comprehensive picture of the economies domestic marketplaces, and suggest ideas on how to achieve greater “green growth. Final   | CTI/MAG                    | Ongoing.<br>Case studies on Malaysia’s and Mexico’s EGS markets completed |

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| Sector-Specific Work               | Initiative   | Objectives   | Forum/<br>End Date | Status                    |
| ENVIRONMENTAL SERVICES             |  |  |                    |                           |
|                                    | Survey of Market Compliance Mechanisms for Energy Efficiency Programs (EWG 07/2010A)   | One of the greatest opportunities for reducing energy needs and carbon emissions is increasing the energy efficiency of appliances and equipment that are used to provide services to consumers and businesses. For consumer appliances and office equipment that are subject to energy efficiency standards or labeling requirements, it is critical to ensure that products in the market are properly tested to see that they meet the standards and requirements that are set. | EWG                | Project under development |
| FINANCIAL SERVICES                 |  |  |                    |                           |
|                                    | APEC/WTO Capacity Building: GATS Financial Services Agreement Training Program (CTI/20/2001T)  | Project conducted under the auspices of the APEC Strategic Plan for WTO-related capacity building to deliver a short-term training course to strengthen, in a sustainable way, the capacities of APEC developing economies to implement the provisions of the WTO Financial Services Agreement. The program also enabled participants to better understand the different market access commitments and scheduling requirements of the Financial Services Agreement.                | WTO CBG 2002       | Completed                 |
| HEALTH SERVICES                    |  |  |                    |                           |
|                                    | Skills standardization for nursing profession (CTI 19/2005T, Indonesia)  | Develop a common competency standard of nursing skills within the APEC region.   | GOS 2007           | Completed                 |
|                                    | Workshop on the comparability of qualifications in the health sector within the APEC region (HRD 07/2006A, Philippines)  | Assessment of comparability of existing academic and professional qualifications and competencies in the selected health professions of APEC member economies. Development of database of qualifications, competency, and experiences requirements in the selected health professions of APEC member economies. Formulation of a Mutual Recognition Framework for the health sector in the Asia Pacific Region.  | HRDWG              | Completed                 |
|                                    | Seminar on trade in health services (CTI 37/2003T, Japan)  | Deepen understanding of the factors facilitating or inhibiting health services trade   | GOS                | Completed                 |
|                                    | APEC Seminar on Trade in Health Services (CTI 33/2009T, Philippines)   | Facilitate trade and investment in health services by conducting a review of trade in health services and factors that facilitate or inhibit health services trade, and examining the actions and policies necessary for the development of competitive health sectors.  | GOS 2010           | Completed                 |
| TELECOMMUNICATIONS SERVICES        |  |  |                    |                           |
|                                    | Two seminars on Preparation and Confidence Building for the Familiarization and Mutual Understanding of the Member APEC Economies Equipment Certification Requirements and Conformance Assessment Procedures (TEL04/1997T, Canada) | Provide better understanding of the requirement for equipment certification and conformance assessment procedures within APEC economies  | TEL 1997           | Completed                 |

| <b>APEC SERVICES ACTION PLAN</b>          |   |   |                            |               |
|---|---|---|----------------------------|---------------|
| <b>Matrix of Actions: Sector-specific</b> |   |   |                            |               |
| <b>Sector-Specific Work</b>               | <b>Initiative</b>   | <b>Objectives</b>   | <b>Forum/<br/>End Date</b> | <b>Status</b> |
| TELECOMMUNICATIONS SERVICES               |   |   |                            |               |
|   | Universal Services Seminar (TEL01/1998, Australia)  | Promote universal access to telecommunications services, in the most efficient and effective manner, through the sharing of information and experience of the policy, regulatory and commercial strategies that have proven successful.   | TEL                        | Completed     |
|   | APEC TEL MRA Implementation Project (TEL 01/1998T, Australia)   | Assist APEC economies to implement the APEC Telecommunications Mutual Recognition Arrangement by identifying the administrative, legal, industrial and commercial barriers to the efficient implementation of the APEC Telecommunication MRA, and recommending ways to overcome those barriers.   | TEL 1999                   | Completed     |
|   | Implementation of WTO Agreement on Basic Telecommunication Project (TEL 02/1999T, Chinese Taipei)   | Facilitate the implementation of the WTO Agreement on Basic Telecommunications among APEC WTO member economies and to help fulfilment of WTO rules in telecommunications for APEC non-WTO member economies.   | TEL 1999                   | Completed     |
|   | MRA-HRD Delivery Project: Orientating and Training Regulators for MRA implementation. (TEL 01/2000T, Canada)                                | Designed to overcome MRA implementation barriers and directed at : - Senior regulatory managers, Regulatory managers, and Regulatory implementers and focusing on the specific needs of economies   | TEL 2003                   | Completed     |
|   | APEC/WTO Capacity Building: GATS Basic Telecommunications Training Program (CTI/18/2001T)   | Strengthen, in a sustainable way, the capacities of APEC developing economies to implement the provisions of the WTO Agreements on Basic Telecommunications. Enable participants to better understand the different market access commitments and scheduling requirements of the Basics Telecommunications Agreement.                       | WTO CBG 2001               | Completed     |
|   | Stocktake of Progress Toward the Key Elements of a Fully Liberalized Telecommunications Sector in the APEC Region (TEL 01/2003T, Australia) | Revisit elements of a fully liberalized telecommunications market and to assess whether each element is still appropriate as an identifier for a fully liberalized telecommunications market, and to recommend necessary adjustments or additional measures.  | TEL 2004                   | Completed     |
|   | WTO Telecommunications Capacity Building Workshop (TEL 03/2003T, Singapore)   | Familiarize APEC telecom officials with the broader WTO agenda and to serve as a platform for discussion, information sharing and capacity building to assist members in acceding to and implementing ICT-related WTO commitments.  | TEL 2003                   | Completed     |
|   | A comparison of the equivalence of selected telecommunications standards (TEL 01/2004T, Australia)  | Select a number of telecommunications product types, obtain the standards from those economies that have them available, compare these standards for equivalence, provide a web based comparison chart and analysis of the standards. The long-term goal is to develop an APEC TEL Mutual Recognition Arrangement on Standards Equivalence. | TEL 2004                   | Completed     |

| <b>APEC SERVICES ACTION PLAN</b>          |   |   |                       |               |
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| TELECOMMUNICATIONS SERVICES               |   |   |                       |               |
|   | APEC – MRA HRD Project: Training Program Design for Phase II implementation (TEL 03/2004T, Australia)   | Conduct a training needs analysis and design appropriate human resource development activities such as workshops, expert support and additional training resource materials to assist with the implementation and uptake of the APEC TEL MRA Phase Two.   | TEL 2004              | Completed     |
|   | Regulatory Training Project (TEL 03/2005, Australia)  | Research and analysis into the key activities of an independent regulator and the corresponding knowledge and skills sets required in the implementation of telecommunications regulatory reforms especially as these relate to the Ministerial APEC Reference List and the WTO Basic Telecommunications Reference Paper.                   | TEL 2006              | Completed     |
|   | WTO Capacity Building On Domestic Regulation (TEL 02/2006T, Singapore)  | Familiarize APEC members to the WTO GATS Domestic Regulation disciplines and how they are applied to the ICT sector; development of a set of guidelines to assist developing economies in implementing WTO compliant domestic regulations in the ICT sector.  | TEL 2006              | Completed     |
|   | Evaluation of Access to Domestic and International Leased Lines in the APEC Region (TEL 01/2006T, United States)  | Contribute to APEC's efforts to build competitive telecommunications markets in the Asia-Pacific region by examining the levels of access to and use of leased lines in individual economies.   | TEL 2006              | Completed     |
|   | Workshop(s) for Capacity Building on Telecommunications Trade Rules and Regulatory Disciplines (TEL 01/2009T and TEL 02/2009T, Singapore)   | Assist APEC member economies better understand the telecommunication rules and regulatory disciplines, assist economies in the formulation of their regulatory measures domestically, facilitate the adoption of WTO telecommunication disciplines and adoption of telecoms elements in Plurilateral/Bilateral Free Trade Agreements (FTA). | TEL 2010              | Completed     |
|   | International Mobile Roaming Charges (TEL 02/2009S, Australia)  | Examine the issues around international mobile roaming charges in the APEC region and to consider how to promote an open environment that allows for fair market structures and effective market competition in international mobile roaming services   | TEL 2010              | Completed     |
|   | Workshop on Enabling Information Communications Technology Investment for Growth and Recovery at TEL40 (United States)<br>Workshop on Enabling Information Communications Technology Investment for Growth and Recovery at TEL41 (United States)  | Create a Roadmap for ICT and broadband investment   | TEL 2010              | Completed     |
|   | Overview of Internet Protocol version 6 (IPv6): Bridging the Digital Divide (TEL 03/2003, Canada)<br>Workshop on IPv6: facing the future of Internet (TEL01/2009A, China)<br>Workshop on IPv6: Transforming the Internet (TEL 01/2010S, United States)<br>Workshop on IPv6: Securing Sustainable Growth of the Internet, at TEL42 (United States and Japan) | Share and exchange the information among TEL member economies about the IPv4 address depletion and adoption of IPv6 for a sustainable development of Internet in the APEC region.   | TEL                   | Completed     |

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| <b>Matrix of Actions: Sector-specific</b> |   |   |                        |                   |
| <b>Sector-Specific Work</b>               | <b>Initiative</b>   | <b>Objectives</b>   | <b>Forum/ End Date</b> | <b>Status</b>     |
| TELECOMMUNICATIONS SERVICES               |   |   |                        |                   |
|   | MRA for equivalence of technical requirements for telecommunications equipment (MRA-ETR)  | Streamlines conformity assessment for a range of telecommunications and telecommunications-related equipment and defines a process for the recognition of equivalent standards / tech. requirements   | TEL                    | Completed         |
|   | Training Session on International Mobile Roaming (Australia)  | Follow-up from International Mobile Roaming Charges (TEL 02/2009S, Australia)   | TEL<br>2011            | Completed         |
|   | Workshop on Infrastructure Sharing to foster Broadband Access (China)   | Provide a platform for member economies to discuss issues pertaining to infrastructure sharing. Promote competition and lower the cost of deploying networks to achieve widespread and affordable access to broadband especially in developing economies.   | TEL<br>2011            | Completed         |
|   | Demand based policy approaches to foster universal broadband access (TEL 04/2009S, Chile)   | Develop a study and a workshop in order to identify among the APEC economies public policies (instruments, incentives, measures, etc) developed or under current development to foster universal access to broadband.   | TEL                    | Being implemented |
|   | Enhancing broadband development and internet usages for improving networks and services in APEC member economies.(TEL 03/2009A, Peru)                           | Encourage broadband-based services usages in the region and identify best practices of internet as a tool for strengthening development and governability in the region   | TEL                    | Being implemented |
|   | APEC e-Government Research Center at Waseda University 2004-2009 (Japan)<br>APEC e-Government Research Center at Waseda University Extension -2010-2012 (Japan) | Provide assistance in looking for solutions to the various challenges of e-Government   | TEL<br>2012            | Being implemented |
|   | APII Technology Center (TEL 04/1999S Japan)<br>APII R& D Test-bed Project (Japan)   | Promote the construction and expansion of Asia Pacific Information Infrastructure (APII); improve the interconnectivity and interoperability of intra-regional research networks  | TEL                    | Being implemented |
|   | APII Test-bed Project (TEL09/1999S, Korea)<br>APII Test-bed Project (Korea)   | Test technology and application services to build effective APII and enhance interconnectivity and interoperability between test-beds   | TEL                    | Being implemented |
|   | Universal Access to Broadband Services  | Design a plan of action or set of activities for the next several TELs to achieve the TELMIN7 goal of having universal access to broadband services   | TEL                    | Being implemented |
|   | Study Workshop on Best Practice Transfer of Green ICT for Sustainable Growth (TEL 02/2010A)   | Raise awareness of the necessity of and to disseminate practical knowledge and best practices on the implementation of Green ICT across APEC economies; to develop a mechanism for building a greener regional economy and promote APEC economic integration and sustainable growth by Green ICT. | TEL                    | Being Implemented |

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| <b>Sector-Specific Work</b>               | <b>Initiative</b>   | <b>Objectives</b>  | <b>Forum/<br/>End Date</b> | <b>Status</b>   |
| TELECOMMUNICATIONS SERVICES               |   |  |                            |   |
|   | ICT Applications for People with Special Needs (Seniors and People with Disabilities)( TEL02/2011A)   | Create an effective platform for knowledge exchange on innovation for assistive ICT and applications for elderly and disabled people.  | TEL                        | Being Implemented   |
|   | APEC Digital Prosperity Checklist   | Provide a tool for APEC economies to evaluate whether their domestic legal, regulatory, and trade policy frameworks are designed to positively impact the capacity of ICTs to generate value for their economies. The Checklist outlines specific actions or steps economies could take in six key areas – or "I's" – that would enable them to promote the use and development of ICTs as catalysts for economic growth and development, as well as the benefits associated with each action. | ECSG                       | On-going  |
|   | The Report on Significant Factors for Promoting ICT-related Service Trade   | Promote services trade utilizing ICT, through information sharing based on the outputs from the various sub-fora related to ICT  | GOS                        | On-going  |
|   | APEC Privacy Framework (Pathfinder project)<br>Workshops undertaken:<br>- APEC Symposium on Data Privacy Implementation Mechanisms: Developing the APEC Privacy Framework (SOM 02/2004T ECSG)<br>- Second Technical Seminar on APEC Privacy Framework (ECSG01/2005T)<br>- Capacity Building Workshops on the International Implementation of the APEC Privacy Framework: Using Trustmarks and Enforcement Mechanisms for a Cross-Border Privacy Rules (CBPR) System (ECSG 04/2008T)<br>- Seminar and Technical assistance workshops on the implementation of the APEC Data Privacy Pathfinder (CTI 19/2009T)<br>- Technical Assistance and Training to APEC Developing Member Economies on Data Privacy Pathfinder (CTI 48/209T)<br>- Technical Assistance & Training to APEC Developing Member Economies on Data Privacy Pathfinder (CTI24/2010A)<br>- Workshop on Operationalizing the APEC Cross Border Privacy Rules System (CTI32/2010T)<br>- Workshop on APEC Cross Border Privacy Rules: The Value to Industry, Financing and Technology Compliance Aids (CTI14/2011T) | Promote a consistent approach to information privacy protection avoid creation of unnecessary barriers to information flows and remove impediments to trade across APEC. The Framework provides technical assistance to APEC economies that have not addressed privacy from a regulatory or policy perspective (pathfinder project).   | ECSG                       | On-going<br><br>Completed<br><br>Completed<br><br>Completed<br><br>Completed<br><br>Completed<br><br>Completed<br><br>Being implemented |

| <b>APEC SERVICES ACTION PLAN</b>          |  |   |                            |               |
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| <b>Sector-Specific Work</b>               | <b>Initiative</b>  | <b>Objectives</b>   | <b>Forum/<br/>End Date</b> | <b>Status</b> |
| TOURISM SERVICES                          |  |   |                            |               |
|   | Tourism Occupational Skill Standard Development in the APEC Region: Bridging Projects (TWG 04/1999, Indonesia)                             | Development of competency standards and recommended descriptors for qualification templates.  | TWG                        | Completed     |
|   | Best Practices on the Tourism Accessibility for Travellers with Restricted Physical Ability (RPA) (TWG 03/2001T, Canada)                   | Harmonize the standards in providing tourism accessibility to RPA and allow member economies to identify areas to be modified and/or improved in order to support full accessibility to travellers with RPA. The survey will help to collate all applications related to accessibility and identify business practices most effective in rendering tourism goods and services most accessible to travellers with RPA. | TWG                        | Completed     |
|   | Tourism Impediments Study Stage 1 (TWG 04/2001, Thailand)  | Identify the current status of impediments to the growth of tourism in APEC member economies and the steps being taken to overcome them.  | TWG                        | Completed     |
|   | Public/ Private Partnerships for Sustainable Tourism : Developing a sustainability strategy for tourism destinations (TWG 05/2001T, Korea) | Provide a framework for the sustainable development of the travel and tourism industry in the APEC region, through public/private partnerships, and to deliver a sustainability strategy for tourism destinations.  | TWG                        | Completed     |
|   | Tourism Occupational Skill Standard Development in the APEC Region PHASE III (TWG 02/2002, Indonesia)                                      | Provide job performance standards at the regional level to be shared by member economies, enterprises and individuals within the APEC region for improving job performance towards better positioning and higher benefits in trade liberalization.  | TWG                        | Completed     |
|   | Tourism Impediments Stage 2 (TWG 01/2004, Thailand)  | Build upon the outcomes of the first stage (TWG 04/2001). Facilitate the development of individual and collective action plans by member economies and the TWG.   | TWG                        | Completed     |
|   | Tourism Occupational Skill Standard Development in the APEC Region PHASE IV (TWG 01/2005, Indonesia)                                       | Further facilitate individual APEC member economies to apply the application of APEC Tourism Occupational Skill Standard System (running parallel or in conjunction with their own domestic system).  | TWG                        | Completed     |
|   | Best Practices in Sustainable Tourism Management Initiatives for APEC Economies (TWG 02/2005, Malaysia)                                    | Promote professionalism in the service industry by enhancing skills, knowledge, awareness and understanding of tourism dynamics so that employees are capable of strengthening their organizations through the provision of quality services to the tourists and enhancing their experiences through sustainable tourism.   | TWG                        | Completed     |
|   | Tourism Impediments Stage 3 (TWG 01/2006T, Thailand)   | Enable members to strategically plan and manage to gain an advantage both in opening up themselves to attract foreign investments and promote local employment; and in driving exports.   | TWG                        | Completed     |
|   | Training on the Application of APEC Skill Standard Concept and System (TWG 01/2008A, Indonesia)  | Ensure member economies benefit from the implementation of the benefit of APEC Skill Standard concept and system and apply the system within their tourism industry.  | TWG                        | Completed     |

| <b>APEC SERVICES ACTION PLAN</b>          |  |  |                            |   |
|---|--|--|----------------------------|---|
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| <b>Sector-Specific Work</b>               | <b>Initiative</b>  | <b>Objectives</b>  | <b>Forum/<br/>End Date</b> | <b>Status</b>   |
| <b>TOURISM SERVICES</b>                   |  |  |                            |   |
|   | APEC Ecotourism Initiative (CTI19/2010T, Japan)  | Collect the success stories from APEC economies, deepen the understanding for the success stories of ecotourism promotion, and consider what guiding principles would assist in establishing tourism which serves environmental sustainability, the prosperity of local communities, and the development of tourism industries in a balanced manner., bearing in mind that ecotourism has tremendous impact on sustainable growth and inclusive growth of the APEC region. | GOS/TWG                    | Completed   |
|   | Capacity Building on Tourism Satellite Account as basis for Promoting Liberalization and Facilitation on Tourism Services (TWG01/2008T, Australia) | Assist TWG member economies in developing Tourism Satellite Account (TSA) methodology and understanding its uses to provide basis for promoting liberalization and facilitation in tourism services as well as in further strengthening the tourism industry's sustainability within the APEC region   | TWG                        | Completed   |
| <b>TRANSPORTATION SERVICES</b>            |  |  |                            |   |
|   | Towards Mutual Recognition of Transport Professional Qualifications (TPT 02/2000 and TPT 01/2001, Australia)                                       | Identify best practice approaches to the mutual recognition of professional qualifications in transport between APEC member economies for the purpose of facilitating the mobility of qualified transport personnel and promoting transparency in regulatory requirements.   | TPTWG                      | Completed   |
|   | Productivity and seaport facilitation services (Mexico)  | Promote the development of trade facilitation on seaport services in the Asia Pacific region and help APEC economies to explore the possibilities for further liberalization through the operation improvement in services at seaports.  | GOS                        | Completed   |
|   | International Air Services Negotiations Training Course (TPT01/2004T)  | Increase knowledge relating to international air services negotiations to further the ability of APEC members to participate constructively in air services consultations with bilateral partners and in the APEC TPTWG.   | TPTWG                      | Completed   |
|   | Liberalization of air services in the APEC Region: 1995 – 2005 (TPT 02/2006T, Australia)   | Identify progress on the broad issue of liberalization of air services in the APEC region over 1995-2005 for the purposes of ascertaining the extent to which the Bogor Goals have been met in developed and developing APEC economies.  | TPTWG<br>2006              | Completed<br>Continuous update on the progress of liberalization of air services in the APEC region, drawing on outcomes from the recent 1995-2005 study, to help member economies to consider practical ways to monitor progress and keep moving towards liberalization of air services. |
|   | Symposium on the APEC Port Services Network (APSN) (TPT 04/2007, China)  | Exchanging information, soliciting opinions and suggestions on the operation of the network and ways to enhance cross sector cooperation and capacity building of ports in the APEC region.  | TPTWG<br>2007              | Completed   |



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| TRANSPORTATION SERVICES                   |  |   |                        |               |
|   | Study of international visitor flows and greenhouse gas emissions for a template to examine the impact on APEC economies of future market based measures applying to international transport. (TPT 02/2009 joint with TWG, Australia).     | A template to be utilized by APEC economies to inform the development of future transport and tourism policies, negotiating positions in international fora, and economic development and planning activities.  | TPTWG 2009             | Completed     |
|   | APSN Port Development Conference   | Conference was held on 2-3 November 2009 in Shenzhen, China with industry participants to discuss APEC port industry in context of Global Financial Crises.   | TPTWG 2009             | Completed     |
|   | Survey of Supply Chain Workforce Development Needs & Conducting Seminars on Managing Operations and Risk in Intermodal Global Supply Chain Operations (TPT 02/2009A, Indonesia and Philippines)  | To identify current workforce development needs in the intermodal and global supply chain industry and develop a roadmap for APEC to use for future supply chain training initiatives.  | TPTWG                  | Completed     |
|   | Management of Security, Safety and Emerging Technology in Intermodal Transportation and Supply Chain Systems (TPT 06/2007, USA)  | Training course to increase the skills and capacities of Vietnamese industry and government officials in management of intermodal transportation systems.   | TPTWG                  | Completed     |
|   | Study "Impacts of Trade and Transport Policy on International Cargo Shipping and Economic Activities".   | To provide the quantitative effects of the policies such as trade liberalization and facilitation in APEC economies towards the Bogor Goals and developing efficient transport systems including both infrastructure investment and regulatory framework design.  | TPTWG                  | Completed     |
|   | Survey of Aviation Emissions Management Measures in APEC member economies.   | To identify actions that could remove obstacles to implementing aviation emissions management measures.   | TPTWG                  | Completed     |
|   | Public-private Symposium on Global Navigation Satellite System (GNSS) applications in transportation modes was held on 22 June 2010 in the margins of TPTWG's GNSS Implementation Team annual meeting in Seattle (USA) on 21-24 June 2010. | To share information on each economy's Global Navigation Satellite System (GNSS) activities, facilitate GNSS applications to support seamless intermodal transportation, identify actions to facilitate and collaborate on implementations of GNSS applications for transportation in the APEC region, provide a public/industry forum to gather all stakeholders' input. | TPTWG                  | Completed     |
|   | Using More Inland Rivers in Intermodal Transport (TPT 01/2009A, China)   | To identify advantages of intermodal transfer for ocean-river and rail-river operations to enhance the effectiveness of policies and measures for promoting inland waterway transportation and its important role in intermodal transportation.   | TPTWG                  | Completed     |
|   | Secure and Smart Container Development for Intermodal Transport (TPT 03/2009A, China)  | To introduce Secure and Smart Container (SSC) concept with a practical application mode and give a systematic solution on how the SSC will help intermodal transport to meet the challenges and to develop sustainably.   | TPTWG                  | Completed     |

| APEC SERVICES ACTION PLAN          |  |   |                 |                   |
|------------------------------------|--|---|-----------------|-------------------|
| Matrix of Actions: Sector-specific |  |   |                 |                   |
| Sector-Specific Work               | Initiative   | Objectives  | Forum/ End Date | Status            |
| TRANSPORTATION SERVICES            |  |   |                 |                   |
|                                    | Airport Safety Oversight and Advanced Technologies Workshop (TPT 02/2010A, USA)  | The APEC Airports Safety Oversight and Advanced Technologies Workshop will be conducted in Indonesia in September or October 2010, to assist APEC economies in identifying and improving on internal weaknesses or findings with their aerodrome certification oversight and inspection programs based on the requirements of International Civil Aviation Organization (ICAO) Annex 14 - Aerodromes. The workshop will also introduce new technologies to assist economies in enhancing overall airport safety and efficiency functions. | TPTWG           | Completed         |
|                                    | Transport, Energy and Environmental Benefits of Intermodal Freight Strategies (TPT 01/2010A, USA)                              | To help APEC economies to shift freight transport from energy-intensive to energy-economising transport modes, including use of alternative fuels, with particular findings on capacity building in intermodal transport for developing economies which are planning major infrastructure expansion. Benefits of intermodal freight transport would be evaluated in terms of reduced oil imports, reduced greenhouse gas emissions, and reduced transit times for freight shipments.  | TPTWG           | Being implemented |
|                                    | Security Monitoring Model and Network for Regional Supply Chain with a particular focus on food security (TPT 03/2010A, China) | The goal of this proposed project is to assess the feasibility to establish a network among APEC economies to monitor the supply chain security for transport of containers, with a particular focus on food containers. This information will help to ensure food containers can be transported between the economies safely and securely  | TPTWG           | Being implemented |
|                                    | Transport, Energy and Environmental Benefits of Transit Oriented Development (TPT 04/2010, USA)                                | To assess the energy, transport and environmental benefits of transit-oriented development strategies that can help cities in APEC economies reduce automobile traffic through the clustering of commercial and residential buildings around urban transit routes.  | TPTWG           | Being implemented |
|                                    | Road Safety Measures for Heavy Vehicles in APEC Transport Supply Chains (TPT 05/201A, Australia)                               | To empower developing economies to develop their own road safety measures for heavy vehicles in APEC transport supply chains. Improving heavy vehicle safety offers the potential to greatly improve supply chain productivity through lower costs relating to road crashes.  | TPTWG           | Being implemented |
|                                    | Transborder Control and Optimal Transborder Logistics (TPT 06/2010, Russia)  | To determine APEC principles of transborder logistics services optimization, covering government and industry transactions. The full scope of regulatory issues affecting logistics as well as matching of government border control and transport flows will be thoroughly examined.   | TPTWG           | Being implemented |
|                                    | Compendium of Best Practices and Benefits of National Logistics Associations in Selected APEC Economies (Australia)            | To promote the collaboration between relevant government agencies and industry on logistics supply chain connectivity to improve transparency of the regulatory environment and increase awareness of these issues among government agencies and companies in selected APEC economies.  | TPTWG           | Being implemented |

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|------------------------------------|--|---|-----------------|-------------------|
| Matrix of Actions: Sector-specific |  |   |                 |                   |
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| TRANSPORTATION SERVICES            |  |   |                 |                   |
|                                    | International Ship and Port Facility Security (ISPS) Code Implementation Assistance Program (ICIAP) (TPT 07/2010A, USA)  | To support the ongoing activities of the Maritime Security Sub-Group's International Ship and Port Facility Security (ISPS) Code Implementation Assistance Program (ICIAP). The ICIAP aims to assist APEC Economies develop the capacity required to effectively implement the ISPS Code. The program scope encompasses a transfer of knowledge, lessons learned and best practices related to the implementation of the ISPS Code by subject matter experts located in APEC Economies.   | TPTWG           | Being implemented |
|                                    | International Ship and Port Facility Security (ISPS) Code Port Security Visit Program (PSVP) (TPT 08/2010A, Australia)   | Funding will allow for the continuation of the PSVP by conducting four additional PSVP visits over the course of the project cycle. At the most recent TPT-WG a number of Economies expressed a desire to host or participate in a PSVP visit, including the People's Republic of China, Peru, Mexico, Singapore, Malaysia, Chinese Taipei, and Russia.   | TPTWG           | Being implemented |
|                                    | APEC Airport Safety Evaluation Visit Program (ASEVP) (TPT 01/2011A, USA)   | The Airport Safety Evaluation Visit Program (ASEVP) will assist developing APEC economies to effectively implement all airport safety requirements in accordance with International Civil Aviation Organization (ICAO) Annex 14 – Aerodromes, find cost effective solutions to build up capacity at airports, and introduce the Runway Safety Action Team (RSAT) concept as a best practice for identifying, mitigating, and continuous monitoring of runway safety risks on airport grounds.   | TPTWG           | Being implemented |
|                                    | Sustainable Intermodal Transportation Network Using Short Sea Shipping: 2nd Phase of Short Sea Shipping Study that Can Improve Intermodal Efficiency and Reduce Pollution, Congestion, Fuel Costs and Green House Gas Emissions (TPT 02/2011, Korea) | The objective of the project is to extend our previous study on Short Sea Shipping as suggested in its original proposal, which was funded by APEC Transportation Working Group in 2007. This new phase study aims at achieving two-fold goals: (1) To develop a comprehensive intermodal transportation network model, which can enhance more seamless, efficient and effective interconnectivity among various modes while reducing pollution, congestion, noise and other externalities; and (2) To address the issue of green house gas (GHG) emissions from transportation sources to respond to upcoming regulations on international shipping by the IMO and surface transportation modes by the Kyoto Protocol. | TPTWG           | Being implemented |
|                                    | APEC Training Course on Common Principles to Shipping Policy (TPT 03/2011T, Japan)   | This APEC training course will be designed to cover various aspects of the APEC Common Principles to Shipping Policy and provide staffs in maritime ministries and agencies that are responsible for the development of maritime policy and legislation makers with practical exposure to the real and complex issues of international shipping policy and other related maritime policies.   | TPTWG           | Being implemented |

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| TRANSPORTATION SERVICES                   |   |  |                        |               |
|   | APSN Council and Regular (Industry) Members meeting [met in Shanghai, 16-17 September 2010]           | Provide opportunities for ports and the port services community to liaise and discuss with APEC member economies on such issues as the impact of regulations and policies on various maritime industries.<br><br>Last meeting in Shenzhen on November 2-5, 2009.   | TPTWG                  | On-going      |
|   | Continued work towards agreements or other means to achieve air services liberalization in the region | Economies to share information on progress of air services liberalization and air services arrangement in the future meetings as it can promote mutual understanding of the progress in expansion of air connectivity. Economies continue to evaluate the progress of the first priority from the 8 options (multiple airline designation) before selecting another option as the second priority. | TPTWG                  | On-going      |