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Agenda Item: 3

Annual Review on Implementation of the APEC Growth Strategy

Purpose: Information
Submitted by: APEC Secretariat



**Concluding Senior Officials' Meeting
Beijing, China
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Executive Summary

In 2010, APEC Economic Leaders agreed on the APEC Growth Strategy with five desired attributes for economic growth captured below, along with an Action Plan to guide APEC and its members in aligning critical work with these priorities. The five growth attributes are:

- Balanced Growth;
- Inclusive Growth;
- Sustainable Growth;
- Innovative Growth; and
- Secure Growth

To ensure multi-year follow-up and the Strategy's implementation, APEC Senior Officials were instructed to conduct annual progress reviews on APEC's relevant work programs while finding ways to take stock of progress, and making any needed adjustments in the work programs to maximize APEC's efforts to promote the five Growth Attributes, working with and providing leadership to relevant APEC sub-fora. APEC Senior Officials will report to Leaders for their review, on APEC's progress in promoting APEC's Growth Strategy in 2015, thereafter Leaders may consider the future direction of the Strategy.

In 2014, under the theme of “Shaping the Future through Asia-Pacific Partnership”, APEC economies worked on three priorities:

- advancing regional economic integration;
- promoting innovative development, economic reform and growth; and
- strengthening comprehensive connectivity and infrastructure development.

This report on the work in 2014 in support of the Growth Strategy is compiled based on the activities of the various APEC fora.

Recommendations

It is recommended that AMM takes note of this report.

Annual Review on Implementation of the APEC Growth Strategy

Background

In 2010, APEC Economic Leaders agreed on the APEC Growth Strategy with five desired attributes for economic growth, namely, Balanced, Inclusive, Sustainable, Innovative, and Secure Growth, along with an Action Plan to guide APEC and its members in aligning critical work with these priorities. To ensure multi-year follow-up and the Strategy's implementation, APEC Senior Officials were instructed to conduct annual progress reviews on APEC's relevant work programs while finding ways to take stock of progress, and making any needed adjustments in the work programs to maximize APEC's efforts to promote the five growth attributes, working with and providing leadership to relevant APEC sub-fora. APEC Senior Officials were also requested to report to Leaders in 2015, for their review, on APEC's progress in promoting the APEC Growth Strategy so that Leaders may, at that point, consider the future direction of the Strategy.

1. Overview of the progress in 2014

In 2014, under the theme of "Shaping the Future through Asia-Pacific Partnership", APEC economies worked on three priorities:

- advancing regional economic integration;
- promoting innovative development, economic reform and growth; and
- strengthening comprehensive connectivity and infrastructure development.

Of particular relevance to the Growth Strategy, the work on the second priority of "promoting innovative development, economic reform and growth" focussed on innovation, reform and growth that encompassed a wide-ranging array of issues including structural reform, the Internet Economy, ocean-related cooperation and blue economy, green development and energy issues, innovation, inclusive support for vulnerable groups, health, food security and urbanization. While the focus and approach of these efforts may not be identical to those set out in the Growth Strategy, they correspond to the policy actions outlined in each of the five growth attributes and thus provide a strong support to the implementation of the Strategy. Relevant activities were carried out at different levels ranging from the SOM to committee sub-fora, as reported in the following sections 2-5.

Balanced Growth

In the area of balanced growth, APEC Leaders have stated that they "seek growth across and within our economies through macroeconomic policies and structural reforms that will gradually unwind imbalances and raise potential output." EC is the main forum which carried out activities including policy discussions and research studies to support this priority. Other fora such as EWG and TELWG also contributed to pursuing open and competitive markets in their respective sectors. The Growth Strategy also calls on economies to facilitate growth through infrastructure development. Senior Finance Officials have led the work in this area including case studies of infrastructure PPP projects; capacity building and networking of PPP centres in the region; and seminars on infrastructure topics.

Inclusive Growth

In the area of inclusive growth, APEC Leaders have stated that they "seek to ensure that all our citizens have the opportunity to participate in, contribute to, and benefit from global economic growth." Aside from the SOM initiative to promote the Internet Economy and the extensive efforts by EC and HRDWG in helping economies enact social protection policies and measures, sector-specific activities on information sharing and capacity building activities were conducted for SMEs (SMEWG, PPSTI, TELWG), small-scale farmers and fishers (ATCWG, OFWG) and women (PPWE, TPTWG). Promotion of tourism was pursued by TWG.

Sustainable Growth

In the area of sustainable growth, APEC Leaders have stated that they “seek growth compatible with global efforts for protection of the environment and transition to green economies.” Work contributing to sustainable growth is a major component of the EWG agenda and it undertook projects to promote energy efficiency and low-carbon policies through best practice sharing and capacity building. Development of low-carbon energy sector (ATCWG, TPTWG), work programs on environmental goods and services (CTI, MAG, GOS) as well as promotion of green industries and technologies (SOM/CTI, IEG, SCSC, PPSTI, TWG) were pursued in respective sectors. Conservation and more sustainable management of natural resources was also a focus of many fora (SOM, CD, EGILAT, OFWG, TPTWG).

Innovative Growth

In the area of innovative growth, APEC Leaders have stated that they “seek to create an economic environment that promotes innovation and emerging economic sectors.” Activities focused on promoting the use of ICT applications and encouraging innovation through policy dialogues and the sharing of best practices (SOM, PPSTI, TWG). Building networks and policy frameworks among governments was also seen as useful form of collaboration. Efforts for promoting innovation were common to wide-ranging sectors including agriculture (ATCWG), e-commerce (ECSG), telecommunications (TELWG), SMEs (SMEWG), tourism (TWG), IPR enforcement (IPEG, SCCP), standards harmonization (CTI, SCSC), blue economy (OFWG) and life sciences (LSIF). Capacity building was also an important element of these efforts as many of the activities involved training and development of guidelines/resource hubs.

Secure Growth

In the area of secure growth, APEC Leaders have stated that they “seek to protect the region’s citizens’ economic and physical well-being and to provide the secure environment necessary for economic activity.” An extensive suite of initiatives and activities were undertaken to address security issues directly connected to trade and business such as mobility (BMG), counter-terrorism (CTWG), customs administration (SCCP), secure trade (MAG, TELWG) and supply chain resilience (TPTWG). These activities involved piloting a technical system, sharing experience and best practice, setting an action plan/framework and capacity building. Another area of focus was emergency preparedness and various fora worked on building capacity for effectively responding to emergencies and natural disasters in such fields as chemicals (CD), SMEs (SMEWG), energy supply (EWG), education (HRDWG), ocean and fisheries (OFWG), climate change (PPSTI) and ICT (TELWG). Efforts also progressed to strengthen health systems (HWG, LSIF); food security and food safety (ATCWG, SCSC); and anti-corruption and transparency (ACTWG).

The following sections 2-5 provide details of the activities undertaken by APEC fora including SOM, Committees and their sub-fora.

Possible Steps for 2015

The qualitative analysis presented in this report seeks to link each initiative with its positive impact on the most relevant of the five attributes of growth as outlined in the Growth Strategy. The APEC Secretariat recognizes that, in reality, initiatives can have varying impacts on multiple elements of growth. The Secretariat also recognizes that in some cases, an initiative could have a positive impact on one element of growth while simultaneously compromising on another element. In this regard, a quantitative analysis could provide more detailed insight into the overall net impact of individual initiatives, complementing the qualitative analysis. With a view to reporting to Leaders in 2015, Senior Officials may wish to consider an appropriate approach to assess the progress and to chart the way forward of the Strategy.

2. Senior Officials Meeting (SOM)

A number of SOM-level initiatives contributed to progressing the Growth Strategy through policy dialogues and research studies on cross-cutting issues including urbanization and the Internet

Economy. These initiatives have set out a framework for future actions needed to address the challenges in relevant areas. Activities that have been managed by the SOM are included in Table 1 while others assigned to particular committees and sub-fora are included in their respective sections.

Table 1: Contributions of SOM-level Initiatives to the Growth Attributes

GROWTH ATTRIBUTES	WORK UNDERTAKEN
Cross-cutting (Inclusive/Sustainable /Innovative Growth)	<ul style="list-style-type: none"> PSU undertook study on Shaping the Future through an Asia-Pacific Partnership for Urbanization and Sustainable City Development, and organized the APEC Policy Dialogue on Urbanization which acknowledged urbanization as an important topic for APEC to work on in light of the Growth Strategy as the concepts of inclusive, sustainable and innovative growth are closely associated with urbanization. APEC Cooperation Initiative for Jointly Establishing an Asia-Pacific Urbanization Partnership was endorsed whereby a cooperative network of sustainable cities would be formed and forums and policy dialogues as well as international sister cities programs would be utilized to foster cooperation and share experience on sustainable urban development.
Cross-cutting (Inclusive/Innovative Growth)	<ul style="list-style-type: none"> APEC Initiative of Cooperation to Promote Internet Economy, developed out of the outcomes of Delivering Innovative Development: Multi-Stakeholder Dialogue on APEC Cooperation on Internet Economy held in August 2014, calls for actions conducive to innovative growth including technological exchanges and capacity building, among others. The initiative also contributes to inclusive growth as it aims to leverage the Internet Economy to empower vulnerable and disadvantaged groups.
Sustainable Growth	<ul style="list-style-type: none"> APEC High Level Roundtable on Green Development held in May 2014 directly contributes to sustainable growth, especially to promoting green industries and production processes. The Declaration, which welcomed Tianjin's contribution in setting up a green supply chain pilot centre open to interested economies, led to a proposal on the establishment of APEC Cooperation Network on Green Supply Chain. The Network, if established, will identify a number of demonstration pilot centres in economies to coordinate their endeavour and activities to promote Green Supply Chain, and contribute to the future possible actions on information sharing, capacity building and demonstration activities, among others. The ongoing Assessment of the Progress towards the APEC 2020 Forest Cover Objective is a direct contribution to sustainable growth as it aims to promote, in collaboration with the Asia-Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet), information sharing on regional forest resources and add value to the ongoing endeavours towards the APEC 2020 forest cover objective.

3. Committee on Trade and Investment (CTI)

As with the past years, CTI and its sub-fora continued to undertake work to promote the five growth attributes as part of their overall work programs in 2014. While such contributions encompass all growth attributes, much of the work is focused on Green/Sustainable Growth; Innovative Growth and Secure Growth through various work streams such as environmental goods and services; digital economy and intellectual property rights; and regulatory convergence, among others.

Table 2: Contributions of CTI and its Sub-fora to the Growth Attributes

SUB-FORA	WORK UNDERTAKEN
Committee on Trade and Investment (CTI)	<p><i>Inclusive/Sustainable Growth</i></p> <ul style="list-style-type: none"> • PSU study on Promoting Products which Contribute to Sustainable and Inclusive Growth through Rural Development and Poverty Alleviation. <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • CTI continued to focus on the implementation of Leaders' commitment to reduce applied tariff rates to five percent or less on the 54 products in the APEC List of Environmental Goods by the end of 2015. During the year, CTI received updates from economies on their implementation progress. A table, entitled "Table on Economies' Progress on Environmental Goods (EG) List Implementation" was developed to capture such updates and has been uploaded to the CTI's APEC Collaboration Site (ACS) site as a "living" document (internal) for further updating and refinement after each CTI meeting. • CTI conducted a Seminar on the Implementation of the APEC EG list commitments on 13 August in Beijing to help economies address technical issues (e.g. product coverage, application of ex outs) in relation to the implementation of their commitments. CTI discussed a number of next steps and agreed to establish a FoTC group on Implementation of the APEC EG list. The objective of the FoTC will be to advance transparency, common understanding and consistency in the application of the EG commitments in economies' tariff schedules, including by addressing technical issues on product coverage. The first meeting of the FoTC will be in the margins of CTI1 in 2015. • CTI discussed and agreed to a proposal on Trade Liberalisation and Facilitation of Environmental Services to advance the liberalization of environmental services. The proposal, to be implemented in collaboration with GOS, envisages a review by GOS of progress in the relevant actions and the identification of measures that affect trade in environmental services in APEC economies as well as best practices in promoting such services. • CTI held the first Public-Private Partnership on EGS (PPEGS) dialogue on renewable and clean energy (RCE) on 11 August, aimed at promoting RCE trade and investment and increasing the utilisation of RCE. CTI agreed on an APEC Statement on Promoting Renewable and Clean Energy (RCE) Trade and Investment that called on members to address trade barriers, regulatory issues and IPRs in RCE trade, and encouraged technology cooperation as well as greater collaboration with the private sector in the area of RCE. CTI also discussed a proposal on Next Steps on Operationalising the APEC PPEGS and agreed on the TOR for the APEC PPEGS, which will hold its next meeting in the margins of SOM2 next year. • CTI discussed and agreed to a proposal on Establishing an APEC Cooperation Network on Green Supply Chain. The proposed Network, when established, will be supported by a number of demonstration pilot centres in economies to coordinate their endeavours and activities to promote Green Supply Chain, and contribute to the future possible actions on information sharing, capacity building and demonstration activities, among others. CTI welcomed the offer from the City of Tianjin, China to establish the first demonstration pilot centre of APEC Cooperation Network on Green Supply Chain.

SUB-FORA	WORK UNDERTAKEN
	<ul style="list-style-type: none"> CTI welcomed the further information provided by the United States on “Electronic Stewardship”, including a compilation of economies’ responses to the 2013 questionnaire and a review of existing literature on electronics stewardship. CTI encouraged economies to circulate the information to relevant stakeholders in their economies. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> 3rd APEC Regulatory Cooperation Advancement Mechanism on Trade-Related Standards and Technical Regulations (ARCAM) Dialogue on international electric vehicle standards held in May 2014. Economies are considering a proposal for a set of APEC Actions to promote widespread usage of electric vehicles, which include amongst other things, developing in 2015, an APEC Roadmap for Electric Vehicles to carry forward the actions, if adopted.
Market Access Group (MAG)	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> MAG continued to contribute to the CTI’s work on EGS. In addition to updating the EGS Work Program Mapping Matrix consisting over fifty activities underway in APEC fora and sub-fora. The group also maintains the APEC’s Environmental Goods and Services Information Exchange (EGSIE). MAG discussed the revival of the APEC’s Environmental Goods and Services Information Exchange (EGSIE) as a platform to the APEC Public Private Partnership on Environmental Goods and Services (PPEGS).
Group on Services (GOS)	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> GOS agreed to a proposal to conduct a two-day Environmental Services Workshop entitled “Environmental Services in the 21st Century: Challenges and Opportunities” in Kuala Lumpur on 14-15 October 2014. The objectives of the workshop are to, amongst others, discuss the relevance of environmental services regionally and how the 21st century has shaped the architecture and breadth/characterisation of the industry; share experience and information on environmental services regime among economies on development of environmental services policies, coordination and implementation of strategies for current and future of the sector; discuss and understand the challenges and opportunities in developing, promoting and liberalising the environmental services sector, particularly in developing economies; develop a set of good policy and regulatory best practices in environmental services; and assess the way forward for the development of environmental services. Areas focused include solid waste management, hazardous waste management, renewable energy and green technology. GOS discussed Japan’s proposal on the proposal on Trade Liberalization and Facilitation of Environmental Services. Further topics for consideration under the proposal at the GOS1 Meeting in 2015.
Investment Experts Group (IEG)	<p><i>Balanced Growth</i></p> <ul style="list-style-type: none"> Action Agenda on Promoting Infrastructure Investment Through Public-Private Partnership (PPP) was endorsed by IEG as the outcome of the Public-Private Dialogue (August 2014) themed on infrastructure investment. The Action Agenda identifies actions that will contribute to regional connectivity and infrastructure including MYPIDI, which will be pursued by member economies in coordination with other fora.

SUB-FORA	WORK UNDERTAKEN
	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> Conference on the Best Practice of Sustainable Investment in the APEC Region is scheduled for late 2014. This is an information exchange conference aimed at sharing experiences, lessons and opinions on balancing multiple objectives such as investment/economic benefits, environmental protection, and social fairness; increasing public support for free and open trade and investment, and thereby creating new demand and jobs; and improving the living environment and the community livelihood.
<p>Sub-committee on Standards and Conformance (SCSC)</p>	<p><i>Sustainable/Innovative Growth</i></p> <ul style="list-style-type: none"> 10th APEC Conference on Standards and Conformance was held in Beijing in August. With a particular focus on green technologies, the conference consisted of two concurrent workshops: Utilizing Building Information Modeling (BIM) to Increase Building Performance; and Aligning Energy Efficiency for ICT Products – Implementing a Strategic Approach. On the BIM front, this and the other workshop in New Orleans in October would advance the work on a BIM Metrics Guide and a Green Code Infrastructure Guide, both of which being best practice guidance on green building, to be completed in 2015. On the ICT front, SCSC noted the work progressing at the ICT Global Energy Efficiency Convergence Forum and endorsed the outcomes of the conference with regards to improving alignment of energy efficiency standards and regulations for ICT products. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> APEC Conference on Standards Professional Development for Next Generation was held in Beijing in August. The conference delivered recommendations that will guide the development of professionals working in the area of standards including developing career paths/model best practices and competency requirements. SCSC advanced the work of Multilateral Recognition Arrangement (MLA) with two projects focused on capacity building in energy management system ISO50001 and person certification respectively. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> Workshop for Enhancing Standards, Conformity Assessment, Technical Regulations and Promoting Regulatory Cooperation in Food Allergen Management was held in Vancouver in May. The workshop enhanced the understanding of risks associated with food allergens, with a view to promoting regulatory coherence among APEC economies. A capacity building module has been developed for economies' use. Two workshops were undertaken under a multi-year project Building Convergence in Food Safety Standards and Regulatory Systems. The workshop on risk-based inspections, led by Korea, took place in May in Seoul. The workshop served as a forum for capacity building for food safety inspection officers in conducting Risk-Based Inspection (RBI) and related food safety management systems and to share their activities to improve and harmonize inspection systems among member economies. The workshop on proficiency testing for veterinary drug residues in food, led by China, took place in September in Beijing. The workshop was aimed at further developing laboratory capabilities of APEC economies and improving the acceptability of test results to facilitate trade in animal origin products. Building on the work conducted over a nine month period preceding to the workshop that included in-laboratory activities

SUB-FORA	WORK UNDERTAKEN
	<p>among participating economies, members shared experience in veterinary drug multi-residues analysis and confirmed the importance of proficiency testing in laboratory capacity building.</p> <ul style="list-style-type: none"> • SCSC Wine Regulatory Forum (WRF) endorsed a goal-oriented action plan for Export Certification Reduction by 2018 in September, by which WRF participating economies will draft a model APEC wine export certificate in 2015 and engage in capacity building with an eventual goal of mutual acceptance of winemaking practices and joining multilateral wine regulatory groups such as the World Wine Trade Group. • APEC High-Level Regulator-Industry Food Safety Dialogue as well as the Food Safety Cooperation Forum (FSCF) Special Session were held in September in Beijing and endorsed the Beijing Statement to guide the future work of the FSCF and its Partner Training Institute Network (PTIN).
<p>Sub-committee on Customs Procedures (SCCP)</p>	<p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> • IPR Border enforcement is an item from the SCCP Collective Action Plan. At the SCCP2 meeting (Beijing, August 2014). Chinese Taipei and the Philippines updated the progress of their IPR enforcement. Additionally, the United States delivered a report on the APEC IPR joint operation against counterfeit perfume from April 14, 2014 to May 16, 2014. • SCCP has continued the preparations for the APEC Workshop on Intellectual Property Right Border Enforcement (11-13 November 2014, Regal Hong Kong Hotel, Hong Kong, China). <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • SCCP approved to include the paper titled “Advancing Supply Chain Connectivity through Mutual Recognition, Mutual Assistance and Mutual Sharing: Framework for Implementing SCCP Outcomes” as an Annex of the APEC Minister Joint Statement. This Framework defines a set of goals for APEC customs and promotes a long term strategy to achieve among other things secure growth. • Australia proposed the Concept Note “Trusted Trader Program” that is co-sponsored by China and the Philippines, and requested for the endorsement of the Program by the SCCP. The Program is to identify a method for Customs administrations to reliably identify AEOs and their cargoes. The Philippines, Malaysia, Hong Kong, China, Thailand and China showed their support to the Program. WCO informed the meeting of its MRA guidelines, ECP packages and AEO Compendium 2014 that were useful for the Program. Finally, the Program was endorsed by all SCCP members. • SCCP introduced E-commerce as a new CAP item. China shared the analysis of the Questionnaire Survey on APEC Cross-Border E-commerce. The report summarized the status quo of law and legislation, supervision and control, law enforcement activities in APEC region and also studied on the need of capacity building programs in the region. One of the aims of this work is to foster the secure growth of this new sector. • SCCP Workshop on Chokepoint 8 held in Beijing (10-11 August). SCCP is discussing intersessionally the possibility to issue a

SUB-FORA	WORK UNDERTAKEN
	set of guidelines.
Intellectual Property Rights Experts Group (IPEG)	<p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> IPEG undertook initiatives that facilitate IPR systems and innovation with SMEs including: facilitating the exploitation of IPRs and innovation in SMEs; identifying an efficient mechanism for data collection of best practices in the enforcement of IPRs to address counterfeiting/piracy and organized crime; and conducting a survey on innovation and management in SMEs. “Creation and Dissemination of Creative Content in the Digital Environment”: Proposal to develop Model IPR Guidelines to promote the Creation and Dissemination of Creative Content in the Digital Environment, focusing on adequate and effective legal mechanisms to protect against the unauthorized circumvention of Technological Protection Measures (TPMs) and trafficking in devices, products, or services that are primarily designed, produced or performed for the purposes of enabling the circumvention of TPMs. IPEG carried out activities that contribute to effective IPR systems including: APEC Information and Experience sharing of IP-related treaties; Work to Enhance Trade Secrets Protection and Enforcement; Intellectual Property Academy Collaborative Initiative (iPAC Initiative); and More Coherence under the APEC Cooperation Initiative on Patent Acquisition Procedures with a ‘one-stop’ website for patent system users.
Business Mobility Group (BMG)	<p><i>Secure Growth</i></p> <ul style="list-style-type: none"> BMG contributed to the APEC Consolidated Counter-Terrorism and Secure Trade Strategy, including through exploring the future strategic direction of the Regional Movement Alert System (RMAS) which will provide a real-time travel document validation service between economies. The Philippines will implement a technical pilot of RMAS with the assistance of Australia. The Regional Movement Alert Systems (RMAS) Management Board continued work on a communications package which provides interested economies with updated information on the system’s functionality and its benefits.
Electronic Commerce Steering Group (ECSG)	<p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> ECSG through its Data Privacy Sub-Group (DPS) continued its work on the APEC Privacy Framework and the APEC Cross Border Privacy Enforcement Arrangement (CPEA). The work of ECSG on data privacy, through the DPS, has somehow influenced the initiatives of member economies on the issue. A number of economies have enacted their respective domestic privacy laws which are aligned with the APEC Privacy Framework. Some economies have proposed/introduced amendments or are in the process of working on reforms to their respective laws/regulations. ECSG, through the Paperless Trading Subgroup (PTS), has been developing projects that integrate paperless trading in commercial processes, particularly projects that use e-solutions or electronic procedures and processes in cross-border trade, in order to save time and cut costs and uncertainties for firms and government agencies.
Chemical Dialogue (CD)	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> In February 2014, CD agreed to encourage delegates to attend the two

SUB-FORA	WORK UNDERTAKEN
	<p>workshops being hosted by SCSC related to green buildings in August and October 2014. CD also agreed that economies are encouraged to provide input to SCSC regarding potential items for inclusion on the agendas of those workshops.</p> <ul style="list-style-type: none"> In July 2014, CD formally established a Virtual Working Group (VWG) on Marine Debris, building on the presentations that had been made to CD and OFWG. This is a first for CD insofar as it is the first time it has created a VWG with another APEC forum. The VWG will look at innovative solutions to marine debris. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> In February 2014, CD agreed to set up and review the CD emergency preparedness website. A copy of a proposal made in the Emergency Preparedness Working Group related to mass decontamination for chemical incidents has been sent to CD members for reference.
Life Sciences Innovation Forum (LSIF)	<p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> Recognizing that the APEC region is rich in health research for development and innovation but that the ability of economies to translate their discoveries into cost-effective preventive interventions and therapies is limited by lack of capacity and financing mechanisms, LSIF supported the collaboration on the establishment of the APEC Biomedical Technology Commercialization Training Center and the establishment of the first APEC Center of Excellence for Regulatory Sciences. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> In August 2014, the 4th APEC High Level Meeting (HLM4) on Health and the Economy which was jointly held by LSIF and HWG endorsed the "Healthy Asia Pacific 2020" initiative.

4. Economic Committee (EC)

The Economic Committee (EC) has been working to promote the growth goals set by the APEC Leaders through its work on structural reform. In 2014, the EC facilitated activities to further structural reform, provided analysis of economic trends and issues affecting the region, and served as a forum for member economies to engage in related policy discussion. The EC was especially active in assisting economies prepare to meet their 2015 ANSSR targets and in pursuing the EC's Agenda to Implement Structural Reform 2015 (ECAISR 2015) in the following five priority areas: competition policy, corporate law and governance, ease of doing business, public sector governance and regulatory reform.

Table 3: EC's Contributions to the Growth Attributes

GROWTH ATTRIBUTES	WORK UNDERTAKEN
Balanced Growth	<ul style="list-style-type: none"> At EC1, EC held a policy discussion on the state of the regional economy and its policy implications, based on a report on APEC Economic Trends Analysis themed innovate for a better future with sustainable growth. Four workshops related to structural reform were held on the margins of EC2:

GROWTH ATTRIBUTES	WORK UNDERTAKEN
	<ul style="list-style-type: none"> - The Enhanced Ease of Doing Business through Hague Conventions Workshop (organized by Hong Kong, China) - The International Regulatory Cooperation workshop (organized by New Zealand) - Good Regulatory Practices: Public Consultations in the Internet Era (organized by the United States) - Ease of Doing Business Stocktake Workshop (organized by the United States) <ul style="list-style-type: none"> • The Competition Policy and Law Group continued to update and maintain the Competition Policy and Law Database. • Australia held a workshop to develop projects for ANSSR funding by focusing on Pillar 1 of ANSSR: promoting more open, well-functioning, transparent and competitive markets. The workshop resulted in the development of eight EC-endorsed concept notes. • Australia presented a proposal at EC2, "Advancing the APEC Structural Reform Agenda in 2015 and Beyond. The Committee agreed to endorse both the process and timelines proposed. • EC also recommended that SOM propose to APEC Leaders a second APEC Ministerial Meeting on Structural Reform to be held in 2015, which is anticipated to direct future work on ANSSR and give strategic direction to a post-ANSSR framework. • EC anticipates that an executive summary of the 2014 APEC Economic Policy Report on Good Regulatory Practices, coordinated by Japan, with chapters written by China, the U.S., and Japan, will be presented to the CSOM and AMM in November 2014, with the completed version of the report published online after the AMM. • An EODB policy discussion took place at EC1, wherein the costs of inefficiency were examined, and cost savings related to time savings were discussed. Several economies presented outcomes from related workshops: Malaysia presented on "Dealing with Construction Permits"; Thailand presented on its "Recent Reform in the EODB of Enforcing Contracts Indicator"; and Chile presented on "Boosting Entrepreneurship 'Incorporations in One Day.'"
Balanced/Inclusive Growth	<ul style="list-style-type: none"> • At the direction of SOM, at EC2, EC endorsed a paper on the Middle Income Trap (MIT) prepared by the EC Chair, and further agreed that: MIT issues could be discussed during a second APEC Structural Reform Ministerial Meeting (if agreed); and next year's AEPR topic would be on the theme of Structural Reform and Innovation, which is a key policy consideration under the MIT analysis. • Malaysia reported back on its project: Enhancing the Quality and Relevance of Technical and Vocational Education and Training for Current and Future Industry Needs. It was concluded that the industry should be more actively involved from the onset of the development process, and the Occupational Framework and Occupational Competency Standards should be developed according to best practices in economies with established systems in place.
Innovative Growth	<ul style="list-style-type: none"> • PSU undertook case studies on promoting innovation through

GROWTH ATTRIBUTES	WORK UNDERTAKEN
	<p>structural reform.</p> <ul style="list-style-type: none"> EC chose the topic of the 2015 AEPR, which will be Innovation and Structural Reform.

5. SOM Steering Committee on ECOTECH (SCE)

SCE sub-fora have undertaken work to promote all five growth attributes during 2014. In particular Sustainable Growth, Inclusive Growth, and Secure Growth each form an aspect of APEC's medium term ECOTECH priorities, structural reforms that will gradually unwind imbalances and raise potential outputs is an important component of Balanced Growth and is also a medium term ECOTECH priority.

Table 4: Contributions of Working Group to the Growth Attributes

WORKING GROUP	WORK UNDERTAKEN
Anti-Corruption and Transparency Working Group (ACTWG)	<p><i>Secure Growth</i></p> <ul style="list-style-type: none"> In 2014 ACTWG implemented two projects advancing APEC work in the area of Secure Growth. The first was a workshop on "Strengthening Anti-Corruption Authorities in APEC Member Economies" and the other on "Strengthening Integrity through Public-Private Partnership: Preventing Facilitation Payment and Managing Gratuities". ACTWG established the ACT Network of Anti-Corruption and Law Enforcement Authorities (ACT-NET) with the first meeting being held in August in Beijing. ACT continued work under its Multi-Year Project on "Capacity Building Workshops on Designing Best Models on Prosecuting Corruption and Money Laundering Cases Using Financial Flow Tracking Techniques and Investigative Intelligence for Effective Conviction and Asset Recovery to Promote Regional Economic Integration" resulting in the first part of a handbook being prepared during the year.
Agricultural Technical Cooperation Working Group (ATCWG)	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> ATCWG conducted a seminar for "Sharing and Discussing the Interim Outcome of the PRAI (Principle for Responsible Agricultural Investment) Pilot Project". The seminar provided APEC economies with the opportunity to look at how agricultural investment could be done in a responsible manner so that investment would be beneficial to all three stakeholders, namely, governments, local community (including small farmers) and investors. <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> ATCWG continued work on developing biogas technology that aimed promote information exchange and build an adaptation strategy for energy recovery from agricultural waste treatment. Cooperation and communication were enhanced for biogas technical development and interest in technical exchange and transfer among APEC economies was built by establishing a database and knowledge bank at the project organizer's website sharable by all APEC economies in regards to demand and supply of certain technologies and equipment as well as linking to outstanding experts in this field who could provide technical consultancy. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> ATCWG undertook a "Training Course on the Application of Remote

WORKING GROUP	WORK UNDERTAKEN
	<p>Sensing and GIS Technologies in Crop Production" which provided capacity building in crop production using remote sensing imageries preparation.</p> <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • ATCWG continued efforts to implement the Niigata APEC Action Plan on Food Security and the ATCWG 2010-2015 work plan to strengthen regional food security. ATCWG Projects conducted in 2013 examined other issues affecting food security including capacity building for food safety risk assessment; application of remote sensing and GIS technology on crop productivity; and information sharing on principles for responsible agricultural investment.
Emergency Preparedness Working Group (EPWG)	<p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • EPWG supported a self-funded proposal on Developing Governments' Capacity to Promote and Facilitate the Effective Use of Business Continuity Planning for Disaster Resiliency in Selected Economies (Vietnam, Indonesia, the Philippines, Thailand, PNG and China). The project aimed to help government officials enhance their capacity to promote and facilitate the use of Business Continuity Planning by SMEs. • EPWG supported activities that sought to increase the use of technology in emergency preparedness including: a workshop on the "Application of Satellite Technologies for Emergency Preparedness, Management and Response"; a workshop on "Applying Geospatial Hazard and Risk Information"; a seminar on "Leveraging Information and Communication Systems for Enhancing Supply Chain Resilience to Disasters in APEC"; and the 8th Senior Disaster Management Officials Forum considering the role of science and technology in disaster preparedness and risk reduction. • EPWG participated in a joint Policy Dialogue on Emergency Response Travel Facilitation in conjunction with BMG and SCCP, which is developing a workplan to support this initiative. Other collaborative activities include: working with SMEWG on Improving Natural Disaster Resilience of APEC SMEs to Facilitate Trade and Investment; and with HRDWG on the APEC Edutainment Network for Innovative Growth.
Counter Terrorism Working Group (CTWG)	<p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • CTWG is undertaking several capacity building initiatives in each of the four cross-cutting activity areas of the APEC Counter-Terrorism and Secure Trade Strategy: Secure Supply Chains, Secure Travel, Secure Finance, and Secure Infrastructure. Activities undertaken in 2014 in these areas include: promoting bus anti-terrorism capability; developing trusted traveller characteristics; countering the financing of terrorism; preventing terrorists from exploiting regional financial institutions; major events security; and developing policy on secure infrastructure. In addition CTWG encourages and supports members to complete annual Counter-Terrorism Action Plans (CTAPs), which include information on the steps each member has taken to implement APEC Leaders' and Ministers' counter-terrorism commitments.
Energy Working Group (EWG)	<p><i>Balanced Growth</i></p> <ul style="list-style-type: none"> • EWG continued working on the operation of the APEC Energy Database and Analysis including an annual data update with the aim of improving the quality of energy policy decision making in APEC

WORKING GROUP	WORK UNDERTAKEN
	<p>member economies, improving the efficiency of the regional energy market and strengthening regional energy security through improving the quality and availability of basic energy data.</p> <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • Work contributing to sustainable growth is a major component of the EWG agenda. EWG and its Expert Group on Energy Efficiency and Conservation has implemented projects covering lighting design best practice, capacity building for rooftop PV installers, Peer Review of Energy Efficiency and a series of low carbon model town projects aimed at enhancing energy efficiency in APEC economies. EWG will launch a second tranche of energy efficiency projects under the Energy Smart Community Initiative in late 2014. A selection of the many projects completed or underway include: Study of Demand Response's Effect in Accommodating Renewable Energy Penetration in the Smart Grid; APEC Workshop on Best Practices on Financing Renewable Energy; APEC Workshop on Promoting the Development of Wind Energy; Capacity Building for Installers and System Designers for Solar PV Rooftop Installations; APEC Low Carbon Model Town Capacity Building Development; APEC Low Carbon Model Town (LCMT) Project, Phase 4; and APEC Low Carbon Town Plan and Design Contest. • Some projects undertaken by EWG aim to encourage the development and use of new or renewable energy sources including: Research on the Application of Physical Energy Storage Technology with Renewable Energy in a Low Carbon Town; Operation Technology of Solar Photovoltaic Power Station Roof and Policy Framework; and Capacity Building for Installers and System Designers for Solar PV Rooftop Installation. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • EWG conducted work in the area of energy security, principally through the Energy Security Initiative (ESI) through which members address the short and long term energy security challenges and build resiliency into their energy systems in a sustainable manner. The ESI comprises a series of short-term measures to respond to temporary energy supply disruptions and longer-term policy responses that address the broader challenges facing the region's energy supply. ESI measures are include: participation in information exchange mechanisms such as JODI-Oil and JODI-Gas; oil and gas emergency exercises; working to facilitate trade in gas and energy investment; and starting projects related to the water-energy nexus, and the cyber-energy nexus which both have important implications for energy security and the resiliency of energy systems to help ensure adequate energy is times of crisis.
<p>Human Resources Development Working Group (HRDWG)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> • HRDWG efforts in the area of inclusive growth included helping APEC economies enact social protection policies and measures through: developing the skills of managers to equip them to better lead a 21st-century workforce; enhancing the role of women in the workforce by identifying, developing, and promoting successful workplace strategies and programs that address gender-specific societal and health challenges that adversely impact their participation in the workforce; developing policies for other vulnerable groups, such as people with disabilities, migrants, unskilled workers and long-term unemployed; sharing of positive initiatives and best practices for

WORKING GROUP	WORK UNDERTAKEN
	<p>increasing the effectiveness and sustainability of social protection procedures and systems, including particularly occupational safety and health; and enhanced labor market policy and pension reform to meet aging populations, youth bulge and other demographic challenges.</p> <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • HRDWG continued a multi-year piece of work, Emergency Preparedness Education: Learning from Experience, Science of Disasters, and Preparing for the Future, aimed at developing programs to assist at times of disasters such as Tsunami and Earthquake (2012), Typhoon, Flood and Cyclone (2013), Fire and Volcanic Eruption (2014).
<p>Health Working Group (HWG)</p>	<p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • HWG continued work in 2014 in the area of building resilient health systems and healthy populations which underpin the regional economic growth through the adoption of the Healthy Asia Pacific 2020 policy. The proposed areas of focus include: unfinished business from the Millennium Development Goals (MDGs) in a manner that complements activities of the post-2015 agenda; prevention and control of antimicrobial resistance and non-communicable diseases, strengthening health systems to support Universal Health Coverage and enhance capacity in health research development and innovation; and improved emergency preparedness, surveillance, and recovery systems in the APEC region. APEC economies are encouraged to develop sustainable and high-performing health systems by adopting, or adapting, as appropriate to their domestic context, “health in all policies” and a holistic approach, namely “whole of government”, “whole of society” and “whole of region” to achieve people’s health and wellbeing throughout the whole life course to 2020. • In August 2014, HWG worked jointly with LSIF to hold the 4th APEC High Level Meeting (HLM4) on Health and the Economy also endorsed the “Healthy Asia Pacific 2020” initiative. • HWG has two projects under secure growth: a Pilot Study to Evaluate Dengue Early Warning through Virus Analysis and Data Sharing and Enhancing Health Security in APEC - International Campaign Program to Control Antimicrobial Resistance in the Asia-Pacific.
<p>Experts Group on Illegal Logging and Associated Trade (EGILAT)</p>	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • EGILAT held a Workshop on Developing Timber Legality Assurance Systems in May 2014 which built awareness among member economies of the importance of effective assurance systems in supporting sustainable trade and growth. • EGILAT also agreed to a further Workshop on Capacity Building in respect of Timber Legality Assurance Systems which will focus on building capacity to implement such systems in support of sustainable growth. • EGILAT further continued work towards an information sharing platform on illegal logging frameworks across the region which will facilitate a greater understanding and closer cooperation to deliver more sustainable growth.

WORKING GROUP	WORK UNDERTAKEN
<p>Ocean and Fisheries Working Group (OFWG)</p>	<p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • OFWG completed projects that support sustainable use of ocean resources including: Marine Ecosystem Assessment and Management in the Asia-Pacific Region (Phase IV) and Advanced Training on Marine Spatial Planning for the Pacific Rim. Further projects are ongoing including: examining Climate Change's impact on Oceans and Fisheries Resource and holding an APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment. • OFWG endorsed the first ever APEC Marine Sustainable Development Report. This significant report provides a comprehensive overview on the current status of marine sustainable development in the APEC region and lays the foundation for future collective work in this area in support of sustainable growth. • OFWG has continued work to prepare a specific OFWG Action Plan on Food Security, in coordination with PPFS. • OFWG and CD formed a virtual working group on land-based sources of marine debris. • OFWG also continued its pathfinder initiative on illegal, unregulated and unreported fishing. • Finally in support of sustainable growth, the OFWG endorsed the establishment of the APEC Ocean and Fisheries Information Centre (AOFIC) in Indonesia. This centre will contribute to information sharing among APEC members. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> • OFWG endorsed a common view on Blue Economy for the purposes of APEC: "an approach to advance sustainable management and conservation of ocean and coastal resources and ecosystems and sustainable development, in order to foster economic growth." • This platform for innovative growth was further considered through the 3rd APEC Blue Economy Forum and the ongoing Blue Economy Model Program (Phase I). <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • OFWG is conducting a project concerning Oil-spill Preparedness, Response and Assessment. The first phase of this project is aimed at reducing the impact from oil spills by sharing experience in marine oil pollution incidents.
<p>Policy Partnership on Science, Technology and Innovation (PPSTI)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> • PPSTI is undertaking an Advanced Co-Incubation Training Workshop project that aims to build capacities and enhance the service quality of managers in business incubators, focusing on themes of financing and investment, new market entry and technology commercialization, soft landing and internationalization collaboration. The improvement of capacity and service quality of business incubators is expected to contribute to more successful business start-ups of SMEs. <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • PPSTI is implementing a project on promoting innovative and high

WORKING GROUP	WORK UNDERTAKEN
	<p>value-added bio-product production technologies for sustainable development that is intended to create a framework of academia-research institute-private sector to assist economies in reducing organic waste and pollution and producing innovative, high value-added bio-products, such as nutraceuticals and biofuels. PPSTI has completed a Workshop on Bioelectricity and Biofuel Generated from the Unused Biomass and has two ongoing projects covering Policy Practice and Technology Applications: Experiences on Low Carbon Emission Operations; and the Development of Bioenergy Crops as Renewable Energy Sources.</p> <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> PPSTI is working to build greater cooperation on innovation in the APEC region through a number of projects. The initiative "Toward Innovation-driven Development: Consensus and Action" has the goal of promoting innovative partnerships and collaborative innovation, pro-innovation policy environments and strengthening the link between innovation and economic growth. The "2014 APEC Cooperative Forum on Internet of Vehicles (IoV) and Its Worldwide Application Implementation" was held in May 2014. The "APEC IoV White Paper" was endorsed by PPSTI and was shared with TPTWG, TELWG and AD. The White Paper indicates that IoV technology is a driving force that will make major transformations to the automotive industry. An APEC Technology Commercialization Program was held to intensify cooperation among government, private sector and academia with the aim of promoting joint scientific research and whole-chain cycle of technology inception, dissemination and commercialization. The APEC Smart City Innovation & Technology Cooperation Forum promoted the building of smart cities which promote energy efficiency by managing smart transportation, smart factory, smart healthcare, smart home and many other aspects of cities to finally present energy-smart and low-carbon model cities/towns/communities. PPSTI is also undertaking a project to hold an APEC Young Scientist Workshop on Effective Science Communication in the 21st Century. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> PPSTI held the APEC Climate Symposium 2014 with the theme of "Managing climate extremes and hydrologic disasters: Scientific prediction and emergency preparedness". The symposium presented the latest scientific and technological developments in climate prediction and climate information applications. PPSTI also supported the 2014 Asia-Pacific Weather Radar Network Workshop.
<p>Policy Partnership on Women and the Economy (PPWE)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> PPWE conducted two workshops supporting inclusive growth: a Joint Dialogue on Healthy Women, Healthy Economies, with HRDWG and HWG, aimed at developing a "Checklist for Enhancing Women's Economic Participation through Better Health; and Measuring Change: Creating a Data Framework, to develop a framework that measures data and indicators on progress in women's economic participation.
<p>Small and Medium Enterprises Working Group (SMEWG)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> SMEWG began APEC SME Monitoring Index that will measure the health of SMEs every two to three years in areas such as entrepreneurship, policy, demographics and economic contribution. The initial survey was conducted in June 2013.

WORKING GROUP	WORK UNDERTAKEN
	<ul style="list-style-type: none"> • SMEWG also undertook a multi-year project (MYP) on Business Ethics Capacity Building for SMEs in the Medical Devices, Construction and Bio-Pharmaceutical Sectors. This project responds to the Action Plan in the APEC Leaders' Growth Strategy under "fighting corruption, and improving governance and transparency" by increasing government awareness, promoting the establishment and implementation of APEC code of conduct in each industry. The first APEC Business Ethics for SMEs Forum was held to help expanding the impact of the MYP project through capacity building and best practice sharing, addressing new and emerging ethics challenges. PSU study on policy principles and best practices for integrating SMEs into global value chain was also undertaken. SME Ministers endorsed the Nanjing Declaration on Promoting Ethical Environments in the Medical Device and Biopharmaceutical Sectors 2014 – 2020, setting new goals for the business ethics in the APEC region. • The APEC Accelerator Network (AAN) Forum held its first meeting in March 2014. A directory of key accelerators is being compiled and the "APEC Challenge 2014" was held with thirty-five startups selected to participate in the competition to improve their visibility and catch attention of investors. APEC Start-Ups Conference III 2014: Global Thinking to Make Global Business will take place in Lima, Peru on 28 – 29 October 2014. The Conference includes: a conference on global thinking, showcases of 14 start-ups, and introduction of five global fund contest for start-ups. • SMEWG held a Train-the-Trainer Course for Women SME Service Exporters workshop and the APEC Public - Private Dialogue on Addressing Impediments of SMEs and MEs in Accessing Trade Finance. The Training Course helps equipping women SME service providers with knowledge, skills and techniques to improve their enterprises' competitiveness and global market access. It aimed also at networking women SME service exporters and developing recommendations for APEC to further build up women SME service exporters' capacity to participate in the global service chain. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> • SMEWG worked on ways to boost innovation, job creation, economic growth, and business opportunities in the APEC region through projects focused on start-up policies and best practices to promote entrepreneurship in the APEC region. • 21st SME Ministerial Meeting was held under the theme "Innovation and Sustainability". Ministers approved the Nanjing Declaration on Promoting SME Innovative Development, encouraging economies to take measures to increase innovation capabilities for SMEs, improve the policy environment for SME innovation, and promote SME growth through innovation. • SMEWG has two projects on innovation through SME financing: Financing APEC SME Innovation Workshop: Identifying Government Policies that Promote Venture Capital Investment, and Seminar of Financing Innovation of SMEs. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • SMEWG maintains a close cooperation with EPWG in running the MYP "Improving Natural Disaster Resilience of APEC SMEs to Facilitate Trade and Investment" project. More than 300 seed trainers

WORKING GROUP	WORK UNDERTAKEN
	<p>have been trained through 07 Train-the-Trainer Workshops on Promoting Business Continuity Plans (BCP). The High Level Policy Dialogue on Resilient SMEs for Better Global Supply Chains provided another platform for policy dialogue and experience sharing in enhancing SMEs' resilience. The endorsed Joint Statement on Resilient SMEs for Global Supply Chains reiterates the strong commitments of SMEWG on promoting BCP and improving SMEs. Guidebook on Business Continuity Planning, which is a useful guidance for businesses to develop their own BCP, was published and translated to 6 languages, enabling accessibility of 40% of the world's population.</p>
<p>Tourism Working Group (TWG)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> 8th Tourism Ministerial Meeting has set the target of achieving 800 million international arrival in the region by the year 2025. This will be done through various strategies, such as: convergence of tourism with other industries, promoting the use of technology, enhancing connectivity, cooperation in low-carbon tourism development. TWG is progressing a project conducting "An Assessment of the Role of Taxation in Promoting Travel and Tourism Growth in the APEC Region". The final result is due in mid-2015. <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> TWG concluded a project on "Sustainable Development of Tourism Destinations" which resulted in the research report, the Tourism Indicators User Manual and the Tourism Sustainability Assessment Tool. TWG also held a workshop on Workshop on Low Carbon Tourism toward Green Growth. <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> 8th Tourism Ministerial Meeting has encouraged APEC member economies to boost innovation, explore and promote smart tourism and related cooperation, and share business and other opportunities that come along with smart tourism. 8th Tourism Ministerial Meeting has in principle endorsed draft APEC tourism strategic plan 2015-2019 which among other set future strategic TWG work to include promoting labor, skills development and certification through increased cooperation in order to develop the tourism workforce of the region.
<p>Telecommunications and Information Working Group (TELWG)</p>	<p><i>Balanced Growth</i></p> <ul style="list-style-type: none"> TELWG focusses on telecommunications regulation as areas to help promote balanced growth. TELWG established an APEC e-Government Research Centre and is working on the deployment of multi-language email address technology. TELWG conducted a workshop on the Quality of Services (QoS) for Regulator to share information on the regulatory framework and requirements for telecommunication service providers, including QoS rules and consumer protection measures. <p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> TELWG held a Workshop on Interoperable ICT: semantic, linguistic and other aspects; a workshop on promoting the development of ICT revolution to assist the economic growth of Small Medium Enterprise (SMEs) and the Small Medium Micro Enterprise (SMMEs); and worked on the extension of ICT applications for the people with

WORKING GROUP	WORK UNDERTAKEN
	<p>special needs (aging and disabilities). TELWG conducted an information sharing session on the Status of Universal Access via Broadband Services to encourage member economies to work towards achieving affordable access to quality broadband in the broadband the APEC region by 2015.</p> <p><i>Innovative Growth</i></p> <ul style="list-style-type: none"> • TELWG continued its cooperation with the Asia Pacific Network Information Centre (APNIC) who provided input on the Evolution of Mobile Networks and IPv6 (Internet Protocol version 6). TELWG conducted an Industry Roundtable which discussed the “Internet of Things” e.g. sectors utilizing Machine to Machine Computing, and policies that can help facilitate societal benefit from investment in these services. The outcome of the roundtable was a general consensus to initiate future projects that look into “Internet of Everything”, develop a policy framework for enabling its deployment and identify potential barriers. <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • TELWG convened a Cybercrime Expert Group meeting to address ICT security issues and combating cybercrime. TELWG conducted an update on the outcome of the Workshop on Combating Botnet which focused on the importance of educating and raising awareness among ISPs, web hosts and end users to combat botnets; the complexity of the botnet issue and the criticality of both international cooperation and public-private partnership to address it. • TELWG conducted symposium on Disaster Management and ICT for the APEC region. The output was the report of best efforts and experiences on disaster management reported by Japan, China, US, Hong Kong, China, Google and Yahoo Japan.
<p>Transportation Working Group (TPTWG)</p>	<p><i>Inclusive Growth</i></p> <ul style="list-style-type: none"> • TPTWG is working to Expand women’s participation in the economy by developing and implementing a plan of action that addresses gender related concerns, with a specific emphasis on women, in the transportation sector in the APEC region. This initiative will collect data to measure progress related to gender policy; create a compendium of education, recruitment, retention, and leadership advancement of best practices so each economy can learn and improve from each other; institutionalize a regular dialogue on Women in Transportation; and develop ways to mentor and educate women on the benefits of working in the transportation sector. <p><i>Sustainable Growth</i></p> <ul style="list-style-type: none"> • TPTWG will promote measuring and reporting aviation emissions by APEC economies through sharing best practices and addressing identified obstacles to implementing aviation emissions management measures. • TPTWG promotes the APEC Port Service Network (APSN) to promote the Green Port Award System (GPAS) in the APEC region for clean and green growth in the port and shipping industry. In collaboration with the EWG, TPTWG will continue work on the APEC Carbon Footprint Project, which aims to improve the energy efficiency of the maritime transportation segment of Asia-Pacific supply chains. • TPTWG Maritime Experts Group (MEG) aims to reduce marine

WORKING GROUP	WORK UNDERTAKEN
	<p>pollution from ships operating in the APEC region by increasing economies' ability to effectively enforce the 1973 International Convention for the Prevention of Pollution From Ships, as modified by the Protocol of 1978 (MARPOL). This effort would help reduce widespread discharges of oil and other wastes into Asia-Pacific waters while promoting sustainable economic development of coral reefs and other coastal resources, for example fisheries that play a crucial role in climate change and food security. The target audience is port-state control officials, criminal investigators, and prosecutors.</p> <p><i>Secure Growth</i></p> <ul style="list-style-type: none"> • TPTWG will facilitate collaboration with the CTWG and SCCP on enhancing supply chain resilience by developing a Trade Recovery Communications Mechanism, in cooperation with the World Customs Organization, to operationalize the APEC Trade Recovery Programme.

ANNEX

APEC Growth Strategy: Work Undertaken for the Growth Attributes

The Table below recapitulates the information provided in the foregoing Tables 1-4 by categorizing the activities by growth attributes, instead of by APEC fora, to present the scope of work undertaken in each of the five growth attributes.

Growth Attributes	Work Undertaken
1 BALANCED GROWTH	
1.1. Encourage balanced growth across economies	<p>EC</p> <ul style="list-style-type: none"> Report on APEC Economic Trends Analysis themed innovate for a better future with innovative growth, and a policy discussion on the state of the regional economy and its policy implications based on the report. Endorsed a paper on the Middle Income Trap (MIT) and agreed that: MIT issues could be discussed during a second APEC Structural Reform Ministerial Meeting (if agreed); and next year's AEPR topic would be on the theme of Structural Reform and Innovation.
1.2. Encourage balanced growth within economies	<p>EC</p> <ul style="list-style-type: none"> Four workshops related to structural reform: <ul style="list-style-type: none"> Enhanced Ease of Doing Business through Hague Conventions Workshop (organized by Hong Kong, China) International Regulatory Cooperation workshop (organized by New Zealand) Good Regulatory Practices: Public Consultations in the Internet Era (organized by the United States) Ease of Doing Business Stocktake Workshop (organized by the United States) Updating and maintaining of the Competition Policy and Law Database by the Competition Policy and Law Group. Workshop to develop projects for ANSSR funding by focusing on Pillar 1 of ANSSR. Proposal "Advancing the APEC Structural Reform Agenda in 2015 and Beyond". EC recommended that SOM propose to APEC Leaders a second APEC Ministerial Meeting on Structural Reform to be held in 2015. 2014 APEC Economic Policy Report on Good Regulatory Practices to be published online after the AMM. EODB policy discussion at EC1 including presentation of outcomes from related workshops. <p>EWG</p> <ul style="list-style-type: none"> APEC Energy Database and Analysis. <p>TELWG</p> <ul style="list-style-type: none"> APEC e-Government Research Centre Workshop on the Quality of Services (QoS) for Regulator.
1.3. Facilitate growth through infrastructure development	<p>SFOM</p> <ul style="list-style-type: none"> Case studies of infrastructure PPP projects; capacity building and networking of PPP centres in the region; and seminars on infrastructure topics. <p>IEG</p> <ul style="list-style-type: none"> APEC Public-Private Dialogue on Investment Action Agenda on Promoting Infrastructure Investment Through Public-Private Partnership (PPP)
2 INCLUSIVE GROWTH	
2.1. Promote job creation, human resources development and active labor market policies	<p>SOM</p> <ul style="list-style-type: none"> APEC Cooperation Initiative for Jointly Establishing an Asia-Pacific Urbanization Partnership PSU study on Shaping the Future through an Asia-Pacific Partnership for Urbanization and Sustainable City Development and APEC Policy Dialogue on Urbanization.

Growth Attributes	Work Undertaken
	<p>CTI</p> <ul style="list-style-type: none"> PSU study on Promoting Products which Contribute to Sustainable and Inclusive Growth through Rural Development and Poverty Alleviation. <p>EC</p> <ul style="list-style-type: none"> Project: Enhancing the Quality and Relevance of Technical and Vocational Education and Training for Current and Future Industry Needs (Malaysia).
2.2. Promote SMEs, MEs and entrepreneurship development	<p>ATCWG</p> <ul style="list-style-type: none"> Seminar: "Sharing and Discussing the Interim Outcome of the PRAI (Principle for Responsible Agricultural Investment) Pilot Project" <p>OFWG</p> <ul style="list-style-type: none"> Project: the Fisheries and their Contribution to Sustainable Development in APEC Economies - Small-Scale and Artisanal Fisheries to Support Food Security <p>PPSTI</p> <ul style="list-style-type: none"> Project: Advanced Co-Incubation Training Workshop <p>SMEWG</p> <ul style="list-style-type: none"> APEC SME Monitoring Index Multi-year Project: Business Ethics Capacity Building for SMEs in the Medical Devices, Construction and Bio-Pharmaceutical Sectors The 1st APEC Business Ethics for SMEs Forum Nanjing Declaration on Promoting Ethical Environments in the Medical Device and Biopharmaceutical Sectors 2014-2020 PSU Study: Integrating SMEs into Global Value Chains - Policy Principles and Best Practices 1st meeting of the APEC Accelerator Network (AAN) APEC Start-Ups Conference III 2014: Global Thinking to Make Global Business <p>TELWG</p> <ul style="list-style-type: none"> Workshop on Interoperable ICT: semantic, linguistic and other aspects Workshop on promoting the development of ICT revolution to assist the economic growth of Small Medium Enterprise (SMEs) and the Small Medium Micro Enterprise (SMMEs) Worked on the extension of ICT applications for the people with special needs (aging and disabilities) An information sharing session on the Status of Universal Access via Broadband Services
2.3. Promote more inclusive access to finance and financial services	<p>SMEWG</p> <ul style="list-style-type: none"> Train-the-Trainer Course for Women SME Service Exporters workshop and the APEC Public - Private Dialogue on Addressing Impediments of SMEs and MEs in Accessing Trade Finance. PSU Study: Regulatory Issues affecting Supply Chain Finance and SME Access
2.4. Enhance social resilience and social welfare through means such as improving social safety nets and supporting vulnerable groups	<p>HRDWG</p> <ul style="list-style-type: none"> Helping APEC economies enact social protection policies and measures through: skills development of managers; enhancing the role of women in the workforce; developing policies for other vulnerable groups; sharing of positive initiatives and best practices for increasing the effectiveness and sustainability of social protection procedures and systems; and enhanced labor market policy and pension reform to meet demographic challenges.
2.5. Create new economic opportunities for women, elderly, and vulnerable groups	<p>PPWE</p> <ul style="list-style-type: none"> Joint Dialogue on Healthy Women, Healthy Economies aimed at developing a "Checklist for Enhancing Women's Economic Participation through Better Health" Workshop: Measuring Change: Creating a Data Framework

Growth Attributes	Work Undertaken
	<p>TPTWG</p> <ul style="list-style-type: none"> Developing and implementing a plan of action that addresses gender related concerns in the transportation sector
2.6. Promote tourism	<p>TWG</p> <ul style="list-style-type: none"> 8th Tourism Ministerial Meeting has set the target of achieving 800 million international arrival in the region by the year 2025. Project: "An Assessment of the Role of Taxation in Promoting Travel and Tourism Growth in the APEC Region"
3 SUSTAINABLE GROWTH	
3.1. Enhance energy security and promote energy-efficiency and low-carbon policies	<p>EWG</p> <ul style="list-style-type: none"> Projects covering lighting design best practice, capacity building for rooftop PV installers, Peer Review of Energy Efficiency and a series of low carbon model town projects. Will launch a second tranche of energy efficiency projects under the Energy Smart Community Initiative in late 2014. A selection of the many projects completed or underway include: Study of Demand Response's Effect in Accommodating Renewable Energy Penetration in the Smart Grid; APEC Workshop on Best Practices on Financing Renewable Energy; APEC Workshop on Promoting the Development of Wind Energy; Capacity Building for Installers and System Designers for Solar PV Rooftop Installations; APEC Low Carbon Model Town Capacity Building Development; APEC Low Carbon Model Town (LCMT) Project, Phase 4; and APEC Low Carbon Town Plan and Design Contest. <p>TPTWG</p> <ul style="list-style-type: none"> Promote measuring and reporting aviation emissions by APEC economies.
3.2. Develop low-carbon energy sector	<p>ATCWG</p> <ul style="list-style-type: none"> Continued work on developing biogas technology including establishing a database and knowledge bank at the project organizer's website sharable by all APEC economies and linking to outstanding experts in this field. <p>CTI</p> <ul style="list-style-type: none"> 1st meeting of the APEC Public Private Partnership on Environmental Goods and Services (PPEGS) on Renewable and Clean Energy (RCE) APEC Statement on Promoting RCE Trade and Investment Further information provided by the US on "Electronic Stewardship" <p>EWG</p> <ul style="list-style-type: none"> Projects to encourage the development and use of new or renewable energy sources including: Research on the Application of Physical Energy Storage Technology with Renewable Energy in a Low Carbon Town; Operation Technology of Solar Photovoltaic Power Station Roof and Policy Framework; and Capacity Building for Installers and System Designers for Solar PV Rooftop Installation. <p>TPTWG</p> <ul style="list-style-type: none"> APEC Port Service Network (APSN) to promote the Green Port Award System (GPAS) APEC Carbon Footprint Project (in collaboration with EWG)
3.3. Improve access to EGS and develop EGS sectors	<p>CTI</p> <ul style="list-style-type: none"> Table on Economies' Progress on Environmental Goods (EG) List Implementation CTI Seminar on the Implementation of APEC Environmental Goods List Commitments. Endorsed a proposal on Trade Liberalisation and Facilitation of Environmental Services <p>MAG</p>

Growth Attributes	Work Undertaken
	<ul style="list-style-type: none"> Updating the EGS Work Program Mapping Matrix Maintains the APEC's Environmental Goods and Services Information Exchange (EGSIE). Discussed the revival of the APEC's Environmental Goods and Services Information Exchange (EGSIE) as a platform to the APEC Public Private Partnership on Environmental Goods and Services (PPEGS). <p>GOS</p> <ul style="list-style-type: none"> Proposal to conduct a two-day Environmental Services Workshop "Environmental Services in the 21st Century: Challenges and Opportunities" (scheduled for October 2014 in Kuala Lumpur, Malaysia). Discussed Japan's proposal on Trade Liberalization and Facilitation of Environmental Services.
3.4. Promote green jobs education and training	<p>CD</p> <ul style="list-style-type: none"> Encouraged delegates to attend the two SCSC workshops on green buildings in 2014 and provide inputs to the SCSC regarding the agendas.
3.5. Promote private investment in green industries and production processes	<p>SOM/CTI</p> <ul style="list-style-type: none"> APEC High Level Roundtable on Green Development (May 2014). Proposal on the establishment of APEC Cooperation Network on Green Supply Chain. <p>IEG</p> <ul style="list-style-type: none"> Conference on the Best Practice of Sustainable Investment in the APEC Region <p>SCSC</p> <ul style="list-style-type: none"> 10th APEC Conference on Standards and Conformance <p>PPSTI</p> <ul style="list-style-type: none"> A project on promoting innovative and high value-added bio-product production technologies for sustainable development Workshop on Bioelectricity and Biofuel Generated from the Unused Biomass Two ongoing projects covering Policy Practice and Technology Applications: Experiences on Low Carbon Emission Operations; and the Development of Bioenergy Crops as Renewable Energy Sources. <p>TWG</p> <ul style="list-style-type: none"> Concluded a project on "Sustainable Development of Tourism Destinations" which resulted in the research report, the Tourism Indicators User Manual and the Tourism Sustainability Assessment Tool. Research report: Tourism Indicators User Manual and the Tourism Sustainability Assessment Tool Workshop on Low Carbon Tourism toward Green Growth
3.6. Promote conservation and more sustainable management of agriculture and natural resources	<p>SOM</p> <ul style="list-style-type: none"> The Assessment of the Progress towards the APEC 2020 Forest Cover Objective in collaboration with the Asia-Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet). <p>CD</p> <ul style="list-style-type: none"> Established a Virtual Working Group (VWG) on Marine Debris (in collaboration with OFWG). <p>EGILAT</p> <ul style="list-style-type: none"> Workshop on Developing Timber Legality Assurance Systems (May 2014) Agreed to a further Workshop on Capacity Building in respect of Timber Legality Assurance Systems. Continued work towards an information sharing platform on illegal logging frameworks across the region. <p>OFWG</p>

Growth Attributes	Work Undertaken
	<ul style="list-style-type: none"> Completed projects: Marine Ecosystem Assessment and Management in the Asia-Pacific Region (Phase IV) and Advanced Training on Marine Spatial Planning for the Pacific Rim. Ongoing projects: examining Climate Change's impact on Oceans and Fisheries Resource and holding an APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment. APEC Marine Sustainable Development Report Prepared a specific OFWG Action Plan on Food Security (in coordination with PPFS) Established a Virtual Working Group (VWG) on Marine Debris (in collaboration with CD) Continued work on the pathfinder initiative on illegal, unregulated and unreported fishing. Endorsed the establishment of the APEC Ocean and Fisheries Information Centre (AOFIC) in Indonesia. <p>TPTWG</p> <ul style="list-style-type: none"> The TPTWG Maritime Experts Group (MEG) aims to reduce marine pollution from ships operating in the APEC region by increasing economies' ability to effectively enforce the 1973 International Convention for the Prevention of Pollution From Ships, as modified by the Protocol of 1978 (MARPOL).
4 INNOVATIVE GROWTH	
4.1. Realize smart socioeconomic activity through ICT applications	<p>SOM</p> <ul style="list-style-type: none"> Delivering Innovative Development: Multi-Stakeholder Dialogue on APEC Cooperation on Internet Economy (August 2014) APEC Initiative of Cooperation to Promote Internet Economy <p>PPSTI</p> <ul style="list-style-type: none"> "Toward Innovation-driven Development: Consensus and Action" 2014 APEC Cooperative Forum on Internet of Vehicles (IoV), and drafting of an APEC Internet of Vehicles (IoV) White Paper APEC Technology Commercialization Program APEC Smart City Innovation & Technology Cooperation Forum Undertaking a project to hold an APEC Young Scientist Workshop on Effective Science Communication in the 21st Century. <p>TWG</p> <ul style="list-style-type: none"> 8th Tourism Ministerial Meeting has encouraged APEC member economies to boost innovation, explore and promote smart tourism and related cooperation, and share business and other opportunities that come along with smart tourism.
4.2. Promote digital prosperity	<p>ATCWG</p> <ul style="list-style-type: none"> "Training Course on the Application of Remote Sensing and GIS Technologies in Crop Production" <p>ECSG</p> <ul style="list-style-type: none"> APEC Privacy Framework and the APEC Cross Border Privacy Enforcement Arrangement (CPEA). Projects that integrate paperless trading in commercial processes <p>IPEG</p> <ul style="list-style-type: none"> Proposal on the "Creation and Dissemination of Creative Content in the Digital Environment" <p>TELWG</p> <ul style="list-style-type: none"> Continued cooperation with the Asia Pacific Network Information Centre (APNIC) Industry Roundtable which discussed the "Internet of Things"

Growth Attributes	Work Undertaken
4.3. Develop a skilled, adaptable, and professional APEC work-force	<p>EC</p> <ul style="list-style-type: none"> • TVET project (Malaysia) (see 2.1.) <p>SMEWG</p> <ul style="list-style-type: none"> • Projects focused on start-up policies and best practices to promote entrepreneurship in the APEC region • Nanjing Declaration on Promoting SME Innovative Development • Projects on innovation through SME financing: Financing APEC SME Innovation Workshop: Identifying Government Policies that Promote Venture Capital Investment; and Seminar of Financing Innovation of SMEs <p>TWG</p> <ul style="list-style-type: none"> • Draft APEC tourism strategic plan 2015-2019 in principle endorsed at the 8th Tourism Ministerial Meeting
4.4. Enhance dialogues and information sharing on innovation policy	<p>EC</p> <ul style="list-style-type: none"> • EC chose the topic of the 2015 AEPR, which will be Innovation and Structural Reform. • Case studies on promoting innovation through structural reform. <p>SFOM</p> <ul style="list-style-type: none"> • PSU Study: Innovation, Competitiveness and the Role of Fiscal Policies. <p>OFWG</p> <ul style="list-style-type: none"> • Endorsed a common view on Blue Economy for the purpose of APEC • The 3rd APEC Blue Economy Forum • Blue Economy Model Program (ongoing, Phase I)
4.5. Promote innovation and creativity through effective, comprehensive and balanced IPR systems	<p>IPEG</p> <ul style="list-style-type: none"> • Facilitating the exploitation of IPRs and innovation in SMEs • Identifying an efficient mechanism for data collection of best practices in the enforcement of IPRs to address counterfeiting/piracy and organized crime • Conducting a survey on innovation and management in SMEs. • Proposal to develop Model IPR Guidelines: Creation and Dissemination of Creative Content in the Digital Environment • APEC Information and Experience sharing of IP-related treaties • Work to Enhance Trade Secrets Protection and Enforcement • Intellectual Property Academy Collaborative Initiative (iPAC Initiative) • More Coherence under the APEC Cooperation Initiative on Patent Acquisition Procedures with a 'one-stop' website for patent system users. <p>SCCP</p> <ul style="list-style-type: none"> • SCCP Collective Action Plan that features IPR border enforcement as a major item. • Updates on the progress of IPR enforcement by Chinese Taipei and the Philippines at SCSC2 (August 2014) • Report by the US on the APEC IPR joint operation against counterfeit perfume from April 14, 2014 to May 16, 2014. • APEC Workshop on Intellectual Property Right Border Enforcement (scheduled for November 2014, Hong Kong, China).
4.6. Promote cooperation on standards	<p>CTI</p> <ul style="list-style-type: none"> • 3rd APEC Regulatory Cooperation Advancement Mechanism on Trade-Related Standards and Technical Regulations (ARCAM) Dialogue on international electric vehicle standards (May 2014). • Possible recommendations on International Electric Vehicle Standards <p>SCSC</p> <ul style="list-style-type: none"> • APEC Conference on Standards Professional Development for Next Generation • Two projects on Multilateral Recognition Arrangement (MLA) focused on capacity building in energy management system ISO50001 and person certification respectively.

Growth Attributes	Work Undertaken
4.7. Promote innovation in life sciences	<p>LSIF</p> <ul style="list-style-type: none"> APEC Biomedical Technology Commercialization Training Center The first APEC Center of Excellence for Regulatory Sciences.
5 SECURE GROWTH	
5.1. Counter terrorism and secure trade	<p>BMG</p> <ul style="list-style-type: none"> Contributed to the APEC Consolidated Counter-Terrorism and Secure Trade Strategy, including through the Regional Movement Alert System (RMAS). A communication package by the Regional Movement Alert Systems (RMAS) Management Board. <p>CTWG</p> <ul style="list-style-type: none"> Capacity building initiatives in the four cross-cutting activity areas of the APEC Counter-Terrorism and Secure Trade Strategy including: <ul style="list-style-type: none"> promoting bus anti-terrorism capability; developing trusted traveler characteristics; countering the financing of terrorism; preventing terrorists from exploiting regional financial institutions; major events security; and developing policy on secure infrastructure. Counter-Terrorism Action Plans (CTAPs) by members <p>SCCP</p> <ul style="list-style-type: none"> “Advancing Supply Chain Connectivity through Mutual Recognition, Mutual Assistance and Mutual Sharing: Framework for Implementing SCCP Outcomes” to be included as an Annex of the APEC Minister Joint Statement. Concept Note: “Trusted Trader Program” (Australia) Introduced E-commerce as a new CAP item. SCCP Workshop on Chokepoint 8 (August 2014, Beijing). <p>TELWG</p> <ul style="list-style-type: none"> A Cybercrime Expert Group meeting An update on the outcome of the Workshop on Combating Botnet <p>TPTWG</p> <ul style="list-style-type: none"> Develop a Trade Recovery Communications Mechanism Operationalize the APEC Trade Recovery Programme.
5.2. Prepare for emergencies and natural disasters	<p>CD</p> <ul style="list-style-type: none"> Agreed to set up and review the CD emergency preparedness website. <p>EPWG</p> <ul style="list-style-type: none"> Self-funded project proposal on Developing Governments’ Capacity to Promote and Facilitate the Effective Use of Business Continuity Planning for Disaster Resiliency in Selected Economies Activities that sought to increase the use of technology in emergency preparedness including: <ul style="list-style-type: none"> Workshop on the “Application of Satellite Technologies for Emergency Preparedness, Management and Response”; Workshop on “Applying Geospatial Hazard and Risk Information”; Seminar on “Leveraging Information and Communication Systems for Enhancing Supply Chain Resilience to Disasters in APEC”; and 8th Senior Disaster Management Officials Forum considering the role of science and technology in disaster preparedness and risk reduction. Joint Policy Dialogue on Emergency Response Travel Facilitation (in conjunction with BMG and SCCP) Improving Natural Disaster Resilience of APEC SMEs to Facilitate Trade and Investment (in collaboration with SMEWG) APEC Edutainment Network for Innovative Growth (in collaboration with HRDWG). <p>EWG</p> <ul style="list-style-type: none"> Energy Security Initiative (ESI)

Growth Attributes	Work Undertaken
	<p>HRDWG</p> <ul style="list-style-type: none"> Emergency Preparedness Education: Learning from Experience, Science of Disasters, and Preparing for the Future <p>OFWG</p> <ul style="list-style-type: none"> Project concerning Oil-spill Preparedness, Response and Assessment <p>PPSTI</p> <ul style="list-style-type: none"> APEC Climate Symposium 2014 with the theme of "Managing climate extremes and hydrologic disasters: Scientific prediction and emergency preparedness". 2014 Asia-Pacific Weather Radar Network Workshop. <p>SMEWG</p> <ul style="list-style-type: none"> Project: Improving Natural Disaster Resilience of APEC SMEs to Facilitate Trade and Investment (in cooperation with EPWG) High Level Policy Dialogue on Resilient SMEs for Better Global Supply Chains Joint Statement on Resilient SMEs for Global Supply Guidebook on Business Continuity Planning <p>TELWG</p> <ul style="list-style-type: none"> Symposium on Disaster Management and ICT for the APEC region
5.3. Enhance infectious diseases preparedness and control of non-communicable diseases and strengthen health systems	<p>HWG</p> <ul style="list-style-type: none"> Adoption of the Healthy Asia Pacific 2020 policy. Recommendations on Universal Health Coverage; Framework on Community-Based Intervention to Control Non Communicable Diseases (NCD) Risk Factors APEC guidelines to tackle antimicrobial resistance. Project: Dengue Early Warning through Virus Analysis and Data Sharing Project: Enhancing Health Security in APEC - International Campaign Program to Control Antimicrobial Resistance in the Asia-Pacific. <p>LSIF</p> <ul style="list-style-type: none"> 4th APEC High Level Meeting (HLM4) on Health and the Economy "Healthy Asia Pacific 2020" initiative
5.4. Strengthen food security and food safety	<p>ATCWG</p> <ul style="list-style-type: none"> Niigata APEC Action Plan on Food Security ATCWG 2010-2015 work plan Projects that examines the issues affecting food security <p>SCSC</p> <ul style="list-style-type: none"> Workshop for Enhancing Standards, Conformity Assessment, Technical Regulations and Promoting Regulatory Cooperation in Food Allergen Management (May, Vancouver) Two workshops under a multi-year project Building Convergence in Food Safety Standards and Regulatory Systems. Wine Regulatory Forum (WRF) action plan for Export Certification Reduction by 2018 APEC High-Level Regulator-Industry Food Safety Dialogue and the Beijing Statement Food Safety Cooperation Forum (FSCF) Special Session
5.5. Combat corruption and promote transparency	<p>ACTWG</p> <ul style="list-style-type: none"> Project: Strengthening Anti-Corruption Authorities in APEC Member Economies Project: Strengthening Integrity through Public-Private Partnership: Preventing Facilitation Payment and Managing Gratuities ACT Network of Anti-Corruption and Law Enforcement Authorities (ACT-NET) Multi-Year Project: Capacity Building Workshops on Designing Best Models on Prosecuting Corruption and Money Laundering Cases Using Financial Flow Tracking Techniques and Investigative Intelligence for Effective Conviction and Asset Recovery to Promote Regional Economic Integration

Abbreviations and Acronyms

AD	Automotive Dialogue
APEC	Asia-Pacific Economic Cooperation
ATCWG	Agricultural Technical Cooperation Working Group
BMG	Business Mobility Group
CD	Chemical Dialogue
CPLG	Competition Policy and Law Group
CTI	Committee on Trade and Investment
CTWG	Counter-Terrorism Working Group
EC	Economic Committee
ECSG	Electronic Commerce Steering Group
EGILAT	Experts Group on Illegal Logging and Associated Trade
EPWG	Emergency Preparedness Working Group
EWG	Energy Working Group
GOS	Group on Services
HRDWG	Human Resource Development Working Group
HWG	Health Working Group
IEG	Investment Experts Group
IPEG	Intellectual Property Rights Experts Group
LSIF	Life Sciences Innovation Forum
MAG	Market Access Group
OFWG	Ocean and Fisheries Working Group
PPSTI	Policy Partnership on Science, Technology and Innovation
PPWE	Policy Partnership on Women and the Economy
PSU	Policy Support Unit
SCCP	Sub-Committee on Customs Procedures
SCE	SOM Steering Committee on Economic and Technical Cooperation
SCSC	Subcommittee on Standards and Conformance
SFOM	Senior Financial Official Meeting
SMEWG	Small and Medium Enterprise Working Group
SOM	Senior Official Meeting
TELWG	Telecommunications and Information Working Group
TELWG	Telecommunications and Information Working Group
TPTWG	Transportation Working Group
TWG	Tourism Working Group