

## **APPENDIX I ROADMAP FOR INTEGRATION OF e-ASEAN SECTOR**

### **I. OBJECTIVES**

The objectives of integrating the e-ASEAN sector are as follows:

- Liberalisation of trade in ICT products, ICT services and investments;
- Develop, strengthen and enhance the competitiveness of the ICT sector in ASEAN;
- Reduce the digital divide within individual ASEAN Member States and amongst ASEAN Member States; and
- Promote cooperation between the public and private sectors in realising e-ASEAN.

### **II. MEASURES**

The initiatives build on those already undertaken (such as the elimination of tariffs on ITA1 products for ASEAN-6 countries by 1 Jan 2005), and incorporate additional recommendations in the Bali Concord II, the e-ASEAN Roadmap for Integration of ASEAN (RIA) matrix, and The Singapore Declaration - An Action Agenda, issued at the 3<sup>rd</sup> ASEAN TELMIN meeting, as well as those gathered from private and public sector representatives from all ASEAN countries.

Full implementation of these recommendations is key for ASEAN to achieve our goal of integrating the e-ASEAN sector by 2010. However they are not meant to be exhaustive, and ASEAN should continue to incorporate other necessary measures as and when appropriate. This roadmap includes issues specific to the e-ASEAN sector, as well as horizontal issues cutting across all sectors.

### **III. COVERAGE**

This roadmap will cover products in both the e-ASEAN Framework Agreement (ITA1 + 34 items), as well as other ITA products as shown in **Attachment 1**.

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
<b>COMMON ISSUES</b>			
<b>I</b>	<b>Tariff Elimination</b>		
1	Eliminate CEPT-AFTA tariffs on all identified products	Coordinating Committee on the Implementation of the CEPT Scheme for AFTA (CCCA)	ASEAN 6: 1 January 2007  CLMV: 1 January 2012
<b>II</b>	<b>Non-Tariff Measures (NTMs)<sup>1</sup></b>		
2	Establish the Database of ASEAN NTMs to ensure transparency	CCCA	Completed on 30 June 2004
3	Regularly update the Database of ASEAN NTMs to ensure transparency		Starting 1 January 2007
4	Establish clear criteria to identify measures that are classified as barriers to trade		Completed on 27 September 2005 (19th AFTA Council)
5	Establish a clear and definitive work programme for the assessment of existing NTMs and identification of Non-Tariff Barriers (NTBs)		Completed on 21 August 2006 (20 <sup>th</sup> AFTA Council)
6	Eliminate NTBs on all identified products		<u><b>First Package:</b></u> 1 January 2008 for ASEAN 5; 1 January 2010 for the Philippines; and 1 January 2013 for CLMV
			<u><b>Second Package:</b></u> 1 January 2009 for ASEAN 5; 1 January 2011 for the Philippines; and 1 January 2014 for CLMV
<u><b>Third Package:</b></u> 1 January 2010 for ASEAN 5; 1 January 2012 for			

<sup>1</sup> Measures on NTMs apply to all products in accordance to the decisions of 20th AFTA Council, 21 August 2006, Kuala Lumpur, Malaysia. Priority Integration Sectors (PIS) measures on NTMs and NTBs shall be implemented in conformance with said AFTA Council decisions.

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
			the Philippines; and 1 January 2015 with flexibility up to 2018 for CLMV
7	Conduct regular review and assessment of NTMs based on the criteria set by the AFTA Council		Starting 1 January 2008
<b>III</b>	<b>Rules of Origin</b>		
8	Improve the CEPT Rules of Origin by: <ul style="list-style-type: none"> <li>- making it more transparent, predictable, standardised and trade-facilitating, taking into account the need to encourage regional sourcing and the best practices of other Regional Trade Agreements including the rules of origin of the WTO; and</li> <li>- adopting substantial transformation as alternative criteria for conferring origin status</li> </ul>	Task Force on CEPT Rules of Origin (ROO-TF)	31 December 2006
9	Identify and implement measures to promote the utilisation of Form D	CCCA and Coordinating Committee on Customs (CCC) <sup>2</sup>	Ongoing
<b>IV</b>	<b>Customs Procedures</b>		
10	Extend the application of the ASEAN Harmonised Tariff Nomenclature (AHTN) for extra-ASEAN trade	CCC/Customs Procedures and Trade Facilitation Working Group	31 December 2007
11	Develop a simplified, improved and harmonised customs declaration form		Completed on 8 June 2005
12	Ensure full implementation of the Green Lane System for CEPT Products, or similar systems, at entry points of all Member States		Completed
13	Develop implementation guidelines, as appropriate, for Member States which are not members of the WTO to fulfil the obligations of the WTO Agreement on Customs Valuation		Completed

<sup>2</sup> The Expert Committee on Customs Matters (ECCM) was restructured and renamed as CCC

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
14	Adopt service commitment (client charter) by ASEAN customs authorities		Completed
15	Develop the Single Window approach, including the electronic processing of trade documents at national and regional levels	Inter-Agency Task Force on Single Window	Completed on 9 December 2005
16	Implementation of the ASEAN Single Window	ASEAN Single Window Steering Committee	1 January 2008 for ASEAN-6 1 January 2012 for CLMV
<b>V</b>	<b>Standards and Conformance</b>		
17	Accelerate the development and implementation of sectoral Mutual Recognition Arrangements (MRAs), as appropriate	ASEAN Consultative Committee on Standards and Quality (ACCSQ)	beginning 1 January 2005
18	Encourage domestic regulators to recognise test reports issued by testing laboratories which are already accredited by National Accreditation Bodies in ASEAN that are signatories to ILAC and APLAC MRA for products not covered under the sectoral MRAs		Ongoing
19	Set clear targets and schedules for harmonisation of standards, wherever required; where international standards are not available, and when requested by industry, align national standards among Member States		Completed
20	Harmonise already identified standards among Member Countries		31 December 2007
21	Identify and harmonise additional standards, wherever required; where international standards are not available, and when requested by industry, align national standards among Member States		31 December 2010
22	Harmonise and/or develop, wherever appropriate, technical regulations for national application		31 December 2010
23	Ensure compliance with the requirements, rights and obligations of WTO Agreement on Technical Barriers to Trade		Ongoing
24	Develop ASEAN policy on standards and conformance to further facilitate the		Completed on 28 September 2005

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	realisation of the ASEAN Economic Community		(37 <sup>th</sup> AEM)
<b>VI</b>	<b>Logistics Services<sup>3</sup></b>		
25	<p>Expedite the development of integrated transport logistics services within ASEAN through:</p> <ul style="list-style-type: none"> <li>- Promotion of efficient door-to-door cargo transport and cross-border transport facilitation through the expeditious implementation of the ASEAN Framework Agreement on the Facilitation of Goods in Transit, and the ASEAN Framework Agreement on Multimodal Transport;</li> <li>- Improvement of land transport network infrastructures and services to achieve better inter-connectivity, inter-operability and inter-modality with the national, regional and international maritime and air transport gateways;</li> <li>- Strengthening intra-ASEAN maritime and shipping transport services; and</li> <li>- Establishment of enabling and conducive policy environment for increased private sector involvement and/or public-private partnerships in the development of transport infrastructure and the provision and operation of transport logistics facilities and services</li> </ul>	Senior Transport Officials Meeting (STOM)	Beginning 2005
<b>VII</b>	<b>Outsourcing and Industrial Complementation</b>		
26	Identify and develop areas of specialisation on production processes, research and development (R&D), and testing facilities based on comparative advantages of individual Member States	Working Group on Industrial Cooperation (WGIC), with inputs from the private sector	Ongoing
27	Develop guidelines to promote outsourcing arrangements among Member States, as applicable		31 December 2008

<sup>3</sup> A comprehensive roadmap on logistics services as a separate Priority Integration Sector is currently being developed and shall be completed by June 2007

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
<b>VIII</b>	<b>ASEAN Integration System of Preferences</b>		
28	Endeavour to simplify the procedures and expand the coverage of the ASEAN Integration System of Preferences (AISP) Scheme by including products in the priority integration sectors	CCCA	Between 1 January 2007 and 1 January 2009
<b>IX</b>	<b>Investments</b>		
29	Accelerate the opening up of sectors currently in the Sensitive List (SL) by transferring these sectors into the Temporary Exclusion List (TEL) under the Framework Agreement on the ASEAN Investment Area, using the ASEAN-X formula	Coordinating Committee on Investment (CCI)	Ongoing
30	Reduce restrictive investment measures in the SL		Ongoing
31	Complete the progressive elimination of restrictive investment measures in the TEL		2010 for ASEAN-6, 2013 for Viet Nam and 2015 for Cambodia, Lao PDR and Myanmar
32	Identify and implement programmes and activities to promote investments in ASEAN		Ongoing
33	Promote manufacturing processes across different ASEAN countries to take advantage of their comparative strengths through:	CCC; CCI; WGIC	Ongoing
	<ul style="list-style-type: none"> <li>- the establishment of a network of ASEAN free trade zones to facilitate outsourcing activities</li> <li>- undertaking more efficient joint ASEAN facilitation and promotion measures to promote FDI</li> </ul>		Ongoing
34	Promote and facilitate joint/cross border investments in manufacturing activities through: <ul style="list-style-type: none"> <li>- special incentives, where appropriate, to be given by CLMV for investments from ASEAN</li> <li>- special measures, where appropriate to be given by ASEAN 6 to promote and facilitate relocation of investment to CLMV countries especially for</li> </ul>	CCI	Ongoing

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	labour intensive manufacturing activities		
<b>X</b>	<b>Trade and Investment Promotion</b>		
35	Intensify intra- and extra ASEAN joint promotion efforts regularly	CCI; ASEAN Chambers of Commerce and Industry (ASEAN-CCI); and relevant Industry Clubs/Associations	Ongoing
36	Organise regular private sector initiatives to: - undertake more efficient joint ASEAN facilitation and promotion measures to promote FDI into ASEAN - undertake joint trade and investment missions; and - assist CLMV in organising promotional activities	CCI; ASEAN Business Advisory Council (ASEAN-BAC); and ASEAN-CCI	Ongoing
37	Undertake more effective joint ASEAN facilitation in promotion measures and develop new sources of inward foreign direct investments, particularly from potential countries such as the People's Republic of China, India and the Republic of Korea		Ongoing
<b>XI</b>	<b>Intra-ASEAN Trade and Investment Statistics</b>		
38	Develop an effective system to monitor intra-ASEAN trade and investment through: - establish an efficient trade and investment database - provision of updates to the ASEAN Secretariat of the latest trade (goods and services) and investment statistics - preparation of consolidated industry profile, by the respective associations, which among other matters, cover information such as production capacity and product	ASEAN Heads of Statistical Offices Meeting (AHSOM); Working Group on Foreign Direct Investment Statistics and CCCA	31 December 2009  Ongoing  Ongoing

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	range		
<b>XII</b>	<b>Intellectual Property Rights</b>		
39	Expand the scope of ASEAN intellectual property rights cooperation beyond trademarks and patents by including cooperation in copyrights information exchange and enforcement	ASEAN Working Group on Intellectual Property Cooperation (AWGIPC)	Ongoing
<b>XIII</b>	<b>Trade in Services</b>		
40	Member States shall accelerate the liberalisation of trade in priority services sectors by 2010. This could be achieved through: <ul style="list-style-type: none"> <li>- Eliminate all limitations in Mode 1 (cross-border supply) and Mode 2 (consumption abroad). Otherwise, due reasons should be provided</li> <li>- Achieve Mode 3 (commercial presence) foreign equity participation targets, with flexibility, in conformity with the relevant decisions of AEM</li> <li>- Set clear targets for liberalising other Mode 3 limitations</li> <li>- Improve Mode 4 commitments</li> <li>- The application of the ASEAN Minus X formula;</li> </ul>	Coordinating Committee on Services (CCS) and CCI	31 December 2008  31 December 2010  31 December 2007  Each AFAS Round Ongoing
41	Accelerating the development of Mutual Recognition Arrangements (MRAs); and		31 December 2008
42	Promotion of joint ventures and cooperation, including in third country markets		Beginning 2007
<b>XIV</b>	<b>Movement of Business Persons, Experts, Skilled Labour, Talents and Professionals</b>		
43	Develop an ASEAN Agreement to facilitate the movement of business persons, including the adoption of an ASEAN Business Travel Card, taking into account Member States' domestic laws and regulations	Directors-General of Immigration Departments and Heads of Consular Affairs Division of the Ministries of Foreign Affairs (DGICM)	Ongoing
44	Identify and develop other mechanisms that will complement existing ASEAN initiatives to further facilitate the movement of experts, professionals,	Coordinating Committee on Services (CCS)	31 December 2007



NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	skilled labour and talents		
45	Accelerate completion of MRAs to facilitate free movement of experts, professionals, skilled labour and talents in ASEAN, taking into account Member States' domestic laws and regulations		31 December 2008
<b>XV</b>	<b>Facilitation of Travel in ASEAN</b>		
46	Harmonise procedures for the issuance of visas to international travellers	DGICM	Ongoing
47	Provide visa exemption for intra-ASEAN travel by ASEAN nationals		Ongoing
<b>XVI</b>	<b>Human Resource Development</b>		
48	Develop and upgrade skills and capacity building through joint trainings and workshops	Senior Labour Officials Meeting (SLOM)  ASEAN Senior Officials for Education (ASOED)  Senior Economic Officials Meeting (SEOM)  Initiatives for ASEAN Integration (IAI) Task Force	Ongoing
<b>SPECIFIC ISSUES</b>			
<b>XVII</b>	<b>Trade in Services</b>		
49	Adoption and implementation of regulatory principles described in the WTO Basic Telecommunications Reference Paper, taking into account Member States' domestic laws and regulations	CCS and ASEAN Telecommunications Regulators Council (ATRC)	31 December 2009
50	Conduct capacity building programmes on telecommunications services and regulatory disciplines to assist Member Countries in implementing the WTO Reference Paper	ASEAN Secretariat in collaboration with ATRC, CCS, Asia-Pacific Telecommunity (APT), and International Telecommunication	Beginning December 2006

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
		Union (ITU)	
51	<p>Eliminate limitations in stages on market access and national treatment for computer related and telecommunications services</p> <p>Modes 1 and 2: Elimination of limitation except for cases where there are due reasons</p> <p>Mode 3: Achieve foreign equity participation targets, with flexibility, in conformity with the relevant decisions of AEM</p> <p>Mode 4 - Expedite measures to liberalise Mode 4</p>	CCS	<p>31 December 2008</p> <p>31 December 2010</p> <p>Each AFAS Round</p>
<b>XVIII</b>	<b>Movement of Business Persons, Skilled Labour, Experts, Talents and Professionals</b>		
52	<p>Promote networking of ICT skills development entities to explore possible collaboration amongst these entities</p> <p>Inclusion of Cybersecurity skills in the network</p>	Telecommunication Senior Officials Meeting (TELSOM) Working Groups on e-Society and ICT Capacity Building (TELSOM ES & ICB); ASEAN CCI; and Committee on Science and Technology (COST)	2005-2010
53	Facilitate establishment of a regional mechanism for promoting ICT certification programmes and the cross-certification of these programmes by ICT skills competency centres/agencies	TELSOM WG ES & ICB and ASEAN CCI	Beginning 2005
54	Facilitate Mutual Recognition Arrangements (MRAs) for qualification in IT professional skills, where applicable	CCS	1 January 2008
55	Minimise immigration requirements for ICT professionals travelling within ASEAN for ICT work purposes	DGICM	Ongoing
<b>XIX</b>	<b>Standards and Conformity</b>		
56	Accelerate Implementation of Mutual Recognition Arrangement (MRA) for	ATRC	

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	<p>telecommunications equipment (Phase I: Procedures for Mutual Recognition of Testing Laboratories as Conformity Assessment Bodies and Mutual Acceptance of Test Reports)</p> <p>Stage 1: Identify and Engage in steps to accelerate implementation)</p> <p>Stage 2: Implementation of MRA</p>		<p>Completed in 2005</p> <p>December 2007</p>
57	<p>Identify specific timelines for the adoption of suitable international standards (e.g., telecommunications and cyber-security standards) as being equivalent to existing domestic standards</p> <p>To put in place minimum performance guidelines for setting up National CERT</p> <p>To put in place guidelines for information sharing between CERT in ASEAN</p>	<p>TELSOM Working Group on ASEAN Information Infrastructure (TELSOM WG All) and ATRC</p>	<p>Completed in 2005</p> <p>Completed in 2005</p>
58	<p>Promote the alignment of the frequency spectrum and power output limit for RFID applications, as agreed by the 5<sup>th</sup> TELMIN, to facilitate the development of cross-border use of RFID</p>	<p>TELSOM WG All and ATRC</p>	<p>Completed in 2005</p>
<b>XX</b>	<b>ASEAN Information Infrastructure (All)</b>		
59	<p>Develop convergence guidelines and best practices</p>	<p>TELSOM WG All</p>	<p>Completed in 2005</p>
60	<p>Develop common reference framework for e-Commerce and e-Government technical architectures, so as to ensure interoperability of information systems and networks</p>	<p>TELSOM WG All</p>	<p>31 December 2007</p>
61	<p>Expand the coverage of the National Information Infrastructure database, to include bandwidth capacity of each Member State</p>	<p>TELSOM WG All</p>	<p>Beginning 30 June 2005</p>
62	<p>Develop infrastructure recommendations for CLMV based on the e-Readiness Study and global best practices as identified under the ASEAN ICT Focus 2005-2010</p>	<p>TELSOM WG All and IAI Task Force</p>	<p>Ongoing</p>
63	<p>Develop region-wide web applications</p>	<p>National Tourism</p>	<p>Completed</p>

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	including Digital Libraries and Tourism Portals Creation of a regional wide on-line digital library comprising 2000 digitised works of depository and manuscript collections from ASEAN national libraries	Organisations (NTOs)  Congress of Southeast Asian Librarians (CONSAL)	30 April 2006
64	Develop region-wide web services including Distance Education & Learning, Healthcare, Environmental Monitoring, Collaboration in Basic R&D Investment under ASEAN ICT focus	TELSOM Working Group on Universal Access Digital Divide and e-government (TELSOM WG UADD & e-Gov)	Ongoing
65	Encourage the development of National Security Operation Centre (N-SOC) to proactively manage and monitor the e-government infrastructure and facilitate cross border information sharing	TELSOM WG All	31 December 2008
66	Encourage enterprises to adopt/develop interoperable supply chain management systems in ASEAN countries to link up planning solutions, automated storage and retrieval systems wireless tracking technologies	TELSOM-WG-All	30 April 2006
<b>XXI</b>	<b>Capacity Building</b>		
67	Promote an 'e-Society' to assist in bridging the digital divide for all parts of society	TELSOM WG ES & ICB	Ongoing
68	Member states to increase the quality and quantity of ICT human resources		Ongoing
69	To assist in bridging the digital divide for all parts of society	TELSOM WG UADD & e-Gov	Ongoing
70	Collaborate on the COST Initiative on AVIST on e-learning focusing on S&T e-learning services	COST Sub-Committee on Science and Technology Infrastructure and Resource Development (COST SCIRD) and TELSOM WG ES & ICB	Beginning 1 January 2007
71	Encourage all National Research and Education Computer Network (NRENs) to formally join Advanced Science and Technology Research and Education Network for ASEAN (ASTRENA) to	COST SCIRD and TELSOM WG All	Beginning 1 January 2007

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	<p>coordinate e-Science and e-Research activities and building network links with international networks in Europe via Trans Euro-Asia Information Network Phase 2 (TEIN2) and to North Asia and USA via Asia Pacific Advanced Network (APAN), etc</p> <p>Coordination between ICT Ministries in ASEAN to work with end-user communities in S&amp;T and R&amp;E to meet their needs more closely through joint TELSOM WG-All and ASTRENA meeting</p>		
72	Place a listing of ASEAN ICT Centres of Excellence on ASEANConnect portal	TELSOM WG UADD & e-Gov	Ongoing
73	Member Countries are encouraged to identify or set up centres of ICT excellence which could serve as testbeds or proof of concept for new ICT technologies, application and services	TELSOM WG UADD & e-Gov	Beginning 2007
74	Institutionalise ASTRENA as the body to promote e-Science and e-Research amongst the S&T and research and education (R&E) networks in ASEAN	COST SCIRD and TELSOM WG ES & ICB	Beginning 1 January 2007
<b>XXII</b>	<b>e-Government</b>		
75	Encourage adoption and implementation of e-government services by implementing related measures identified under the ASEAN ICT Focus 2005-2010	TELSOM WG UADD & e-Gov	Beginning 31 December 2006
76	To put in place the necessary framework to allow for the implementation of an electronic passport and verification system to facilitate safe and convenient travel between ASEAN countries	TELSOM WG UADD & e-Gov and DGICM	December 2007
77	Encourage the development of Smart Card Projects	TELSOM WG UADD & e-Gov	Ongoing
<b>XXIII</b>	<b>e-Commerce</b>		
78	Enact domestic legislation to provide legal recognition of electronic transactions (i.e., cyber-laws) based on common reference frameworks	TELSOM Working Group on E-Commerce and Information	31 December 2008

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
		Communication Technology Trade Facilitation (TELSOM WG EC & ITF)	
79	Facilitate cross-border electronic transactions and the use of electronic signatures <ul style="list-style-type: none"> <li>a) a better practice guidelines for electronic contracting</li> <li>b) guiding principles for online dispute resolution services in ASEAN</li> <li>c) Mutual recognition framework for digital signatures</li> </ul>		31 December 2009
80	Encourage enterprises to adopt e-commerce by setting up common portals	ASEAN CCI	Beginning 1 January 2005
81	Identify suitable international common protocols in the area of trade facilitation for possible adoption	ASEAN Single Window Steering Committee	Beginning 1 January 2005

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