

## APPENDICES

### A. Services Backward Linkage in Different Manufacturing Sectors in mid-2000s (Total)

	Food products, beverages and tobacco	Textiles, textile products, leather and footwear	Wood and products of wood and cork	Pulp, paper, paper products, printing and publishing	Coke, refined petroleum products and nuclear fuel	Chemicals and chemical products	Rubber and plastics products	Other non-metallic mineral products	Basic metals	Fabricated metal products except machinery and equipment	Machinery and equipment, nec	Office, accounting and computing machinery	Electrical machinery and apparatus nec	Radio, television and communication equipment	Medical, precision and optical instruments	Motor vehicles, trailers and semi-trailers	Other transport equipment	Manufacturing nec; recycling
<b>APEC</b>	0.501	0.479	0.473	0.517	0.382	0.540	0.512	0.479	0.479	0.466	0.518	0.606	0.548	0.574	0.572	0.579	0.480	0.476
<b>APEC developed</b>	0.587	0.512	0.492	0.524	0.414	0.596	0.524	0.510	0.520	0.470	0.532	0.668	0.580	0.629	0.596	0.620	0.482	0.502
<b>APEC NIE</b>	0.424	0.519	0.494	0.547	0.318	0.487	0.472	0.522	0.475	0.459	0.510	0.606	0.505	0.513	0.560	0.478	0.486	0.512
<b>APEC developing</b>	0.326	0.407	0.435	0.463	0.324	0.419	0.492	0.389	0.402	0.441	0.459	0.512	0.462	0.463	0.438	0.460	0.441	0.368
<b>Australia</b>	0.645	0.634	0.605	0.632	0.503	0.784	0.692	0.622	0.511	0.597	0.642	0	0.693	0	0.678	0.880	0.528	0.670
<b>Canada</b>	0.474	0.355	0.464	0.475	0.328	0.486	0.437	0.395	0.399	0.370	0.391	0.646	0.471	0.502	0	0.560	0.419	0.399
<b>Chile</b>	0.570	0.684	0.660	0.628	0.471	0.629	0.602	0.490	0.556	0.523	0.584	0	0.338	0	0	0.435	0	0.587
<b>China</b>	0.328	0.428	0.462	0.480	0.393	0.442	0.534	0.423	0.433	0.467	0.482	0.541	0.486	0.480	0.457	0.481	0.471	0.375
<b>Indonesia</b>	0.249	0.306	0.368	0.362	0.047	0.274	0.326	0.277	0.240	0.357	0.471	0.421	0.416	0.481	0.433	0.313	0.294	0.400
<b>Japan</b>	0.422	0.522	0.459	0.443	0.438	0.647	0.500	0.537	0.519	0.457	0.515	0.628	0.587	0.622	0.537	0.535	0.540	0.520
<b>Korea</b>	0.426	0.536	0.493	0.556	0.356	0.528	0.473	0.550	0.455	0.446	0.500	0.601	0.497	0.540	0.570	0.476	0.466	0.508
<b>Mexico</b>	0.355	0.358	0.289	0.457	0.252	0.361	0.427	0.302	0.340	0.391	0.380	0.416	0.394	0	0	0.425	0	0.352
<b>Chinese Taipei</b>	0.451	0.495	0.531	0.552	0.253	0.413	0.479	0.464	0.543	0.499	0.559	0.615	0.559	0.475	0.549	0.539	0.587	0.530
<b>USA</b>	0.682	0.515	0.516	0.556	0.478	0.580	0.539	0.503	0.564	0.486	0.540	0.689	0.480	0.637	0.613	0.667	0.472	0.505

Note: APEC comprises of Australia; Canada; Chile; China; Indonesia; Japan; Korea; Mexico; Chinese Taipei; and the USA. APEC Developed comprises of Australia; Canada; Japan; and the USA. APEC NIE comprises of Korea and Chinese Taipei. APEC Developing comprises of Chile; China; Indonesia; and Mexico.

Source: APEC Policy Support Unit computation based on OECD STAN database (Accessed 30 June 2014).

**B. Classification of industry in OECD TiVA and STAN database**

TiVA	STAN	ISIC Rev.3 Code	More divisions by UNSTATS
<b>15T16: Food products, beverages and tobacco</b>	15T16: Food products, beverages and tobacco	15+16: Food products, beverages and tobacco	
<b>17T19: Textiles, textile products, leather and footwear</b>	17T19: Textiles, textile products, leather and footwear	17+18+19: Textiles, textile products, leather and footwear	
<b>20T22: Wood, paper, paper products, printing and publishing</b>	20: Wood and products of wood and cork	20: Wood and products of wood and cork	
	21T22: Pulp, paper, paper products, printing and publishing	21+22: Pulp, paper, paper products, printing and publishing	
<b>23T26: Chemicals and non-metallic mineral products</b>	23: Coke, refined petroleum products and nuclear fuel	23: Coke, refined petroleum products and nuclear fuel	
	24: Chemicals and chemical products	24 ex 2423: Chemicals excluding pharmaceuticals 2423: Pharmaceuticals	
	25: Rubber and plastics products	25: Rubber and plastics products	
	26: Other non-metallic mineral products	26: Other non-metallic mineral products	
<b>27T28: Basic metals and fabricated metal products</b>	27: Basic metals	271+2731: Iron & steel 272+2732: Non-ferrous metals	
	28: Fabricated metal products except machinery and equipment	28: Fabricated metal products, except machinery and equipment	
<b>29: Machinery and equipment, nec</b>	29: Machinery and equipment, nec	29: Machinery and equipment, nec	
<b>30T33: Electrical and optical equipment</b>	30: Office, accounting and computing machinery	30: Office, accounting and computing machinery	
	31: Electrical machinery and apparatus, nec	31: Electrical machinery and apparatus, nec	
	32: Radio, television and communication equipment	32: Radio, television and communication equipment	
	33: Medical, precision and optical instruments	33: Medical, precision and optical instruments	
<b>34T35: Transport equipment</b>	34: Motor vehicles, trailers and semi-trailers	34: Motor vehicles, trailers and semi-trailers	
	35: Other transport	351: Building and repairing of ships and boats	

	equipment	353: Aircraft and spacecraft 352+359: Railroad equipment and transport equipment nec	
<b>36T37: Manufacturing nec; recycling</b>	36T37: Manufacturing nec; recycling	36+37: Manufacturing nec; recycling (including Furniture)	
<b>40T41: Electricity, gas and water supply</b>	40T41: Electricity, gas and water supply	401: Production, collection and distribution of electricity 402: Manufacture of gas; distribution of gaseous fuels through mains 403: Steam and hot water supply 41: Collection, purification and distribution of water	401 – Production, collection and distribution of electricity 402 – Manufacture of gas; distribution of gaseous fuels through mains 403 – Steam and hot water supply 410 – Collection, purification and distribution of water
<b>45: Construction</b>	45: Construction	45: Construction	451 – Site preparation 452 – Building of complete constructions or parts thereof; civil engineering 453 – Building installation 454 – Building completion 455 – Renting of construction or demolition equipment with operator
<b>50T55: Wholesale and retail trade; Hotels and restaurants</b>	50T52: Wholesale and retail trade; repairs	50+51+52: Wholesale and retail trade; repairs	501 - Sale of motor vehicles 502 - Maintenance and repair of motor vehicles 503 - Sale of motor vehicle parts and accessories 504 - Sale, maintenance and repair of motorcycles and related parts and accessories 505 - Retail sale of automotive fuel 511 - Wholesale on a fee or contract basis 512 - Wholesale of agricultural raw materials, live animals, food, beverages and tobacco 513 - Wholesale of household goods 514 - Wholesale of non-agricultural intermediate products, waste and scrap 515 - Wholesale of machinery, equipment and supplies 519 - Other wholesale 521 - Non-specialized retail trade in stores 522 - Retail sale of food, beverages and tobacco in specialized stores 523 - Other retail trade of new goods in specialized stores 524 - Retail sale of second-hand goods in stores 525 - Retail trade not in stores 526 - Repair of personal and household goods
	55: Hotels and restaurants	55: Hotels and restaurants	551 - Hotels; camping sites and other provision of

			short-stay accommodation 552 - Restaurants, bars and canteens
<b>60T64: Transport and storage, post and telecommunication</b>	60T63: Transport and storage	60: Land transport; transport via pipelines 61: Water transport 62: Air transport 63: Supporting & auxiliary transport activities; activities of travel agencies	601 - Transport via railways 602 - Other land transport 603 - Transport via pipelines 611 - Sea and coastal water transport 612 - Inland water transport 621 - Scheduled air transport 622 - Non-scheduled air transport 630 - Supporting and auxiliary transport activities; activities of travel agencies
	64: Post and telecommunications	64: Post and telecommunications	641 - Post and courier activities 642 - Telecommunications
<b>65T67: Financial intermediation</b>	65T67: Finance and insurance	65+66+67: Finance and insurance	651 - Monetary intermediation 659 - Other financial intermediation 660 - Insurance and pension funding, except compulsory social security 671 - Activities auxiliary to financial intermediation, except insurance and pension funding 672 - Activities auxiliary to insurance and pension funding
<b>70T74: Business services</b>	70: Real estate activities	70: Real estate activities	701 - Real estate activities with own or leased property 702 - Real estate activities on a fee or contract basis
	71: Renting of machinery and equipment	71: Renting of machinery and equipment	711 - Renting of transport equipment 712 - Renting of other machinery and equipment 713 - Renting of personal and household goods n.e.c.
	72: Computer and related activities	72: Computer and related activities	721 - Hardware consultancy 722 - Software consultancy and supply 723 - Data processing 724 - Data base activities 725 - Maintenance and repair of office, accounting and computing machinery 729 - Other computer related activities
	73: Research and development	73: Research and development	731 - Research and experimental development on natural sciences and engineering (NSE) 732 - Research and experimental development on

			social sciences and humanities (SSH)
	74: Other Business Activities	74: Other Business Activities	741 - Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy 742 - Architectural, engineering and other technical activities 743 - Advertising 749 - Business activities n.e.c.
<b>75T95: Other services</b>	75: Public admin. And defence; compulsory social security	75: Public administration and defence; compulsory social security	751 – Administration of the State and the economic and social policy of the community 752 – Provision of services to the community as a whole 753 – Compulsory social security activities
	80: Education	80: Education	801 – Primary education 802 – Secondary education 803 – Higher education 809 – Adult and other education
	85: Health and social work	85: Health and social work	851 – Human health activities 852 – Veterinary activities 853 – Social work activities
	90T93: Other community, social and personal services	90-93: Other community, social and personal services	900 – Sewage and refuse disposal, sanitation and similar activities 911 – Activities of business, employers and professional organizations 912 – Activities of trade unions 919 – Activities of other membership organizations 921 – Motion picture, radio, television and other entertainment activities 922 – News agency activities 923 – Library, archives, museums and other cultural activities 924 – Sporting and other recreational activities 930 – Other service activities
	95: Private households with employed persons	95+99: Private households and extra-territorial organisations	950 – Private households with employed persons

Source: APEC Policy Support Unit compilation from United Nations Statistics Division (UNSTATS).

**C. Breakdown of STRI score for APEC economies**

	AUS	CDA	CHL	INA	JPN	MEX	NZ	PRC	ROK	RUS	USA
<b>Accounting services</b>	0.135	0.177	0.135	0.432	0.17	0.155	0.132	0.416	0.252	0.335	0.147
PSacc.1 - Restrictions on foreign ownership and other market entry conditions	0.071	0.107	0	0.196	0.036	0	0	0.143	0.107	0.054	0.018
PSacc.2 - Restrictions on the movement of people	0.064	0.048	0.08	0.159	0.095	0.095	0.095	0.159	0.095	0.207	0.095
PSacc.3 - Other discriminatory measures and international standards	0	0.022	0	0.034	0.011	0.022	0.011	0.034	0.022	0.034	0.034
PSacc.4 - Barriers to competition and public ownership	0	0	0.012	0	0	0.024	0.012	0.037	0	0.012	0
PSacc.5 - Regulatory transparency and administrative requirements	0	0	0.043	0.043	0.028	0.014	0.014	0.043	0.028	0.028	0
<b>Computer services</b>	0.114	0.127	0.132	0.32	0.18	0.156	0.136	0.293	0.126	0.339	0.151
CS.1 - Restrictions on foreign ownership and other market entry conditions	0.052	0.069	0	0.069	0.034	0.034	0.034	0.086	0.017	0.052	0.034
CS.2 - Restrictions on the movement of people	0.062	0.041	0.062	0.144	0.062	0.062	0.062	0.062	0.062	0.185	0.082
CS.3 - Other discriminatory measures and international standards	0	0.017	0	0.017	0.017	0.017	0.017	0.035	0	0.035	0.035
CS.4 - Barriers to competition and public ownership	0	0	0	0.02	0.02	0.02	0	0.04	0	0.02	0
CS.5 - Regulatory transparency and administrative requirements	0	0	0.07	0.07	0.047	0.023	0.023	0.07	0.047	0.047	0
<b>Engineering services</b>	0.082	0.117	0.144	0.326	0.189	0.15	0.095	0.287	0.086	0.249	0.198
PSeng.1 - Restrictions on foreign ownership and other market entry conditions	0.027	0.04	0.013	0.067	0.027	0.013	0.013	0.08	0	0.013	0.013
PSeng.2 - Restrictions on the movement of people	0.055	0.055	0.073	0.201	0.11	0.11	0.055	0.128	0.055	0.183	0.164
PSeng.3 - Other discriminatory measures and international standards	0	0.011	0	0.011	0.021	0.011	0.011	0.011	0	0.011	0.021
PSeng.4 - Barriers to competition and public ownership	0	0.011	0.011	0	0	0	0	0.021	0	0.011	0
PSeng.5 - Regulatory transparency and administrative requirements	0	0	0.047	0.047	0.031	0.016	0.016	0.047	0.031	0.031	0
<b>Legal services</b>	0.114	0.125	0.186	0.716	0.213	0.516	0.235	0.525	0.371	0.306	0.14
PSleg.1 - Restrictions on foreign ownership and other market entry conditions	0.029	0.086	0	0.299	0.029	0.057	0.1	0.214	0.1	0.014	0.014
PSleg.2 - Restrictions on the movement of people	0.057	0.019	0.133	0.305	0.133	0.419	0.095	0.229	0.21	0.229	0.095
PSleg.3 - Other discriminatory measures and international standards	0.01	0.02	0.01	0.041	0.01	0.02	0.02	0.02	0.01	0.031	0.031
PSleg.4 - Barriers to competition and public ownership	0.018	0	0.009	0.037	0.018	0.009	0.009	0.028	0.028	0.009	0
PSleg.5 - Regulatory transparency and administrative requirements	0	0	0.034	0.034	0.023	0.011	0.011	0.034	0.023	0.023	0

<b>Air transport</b>	0.258	0.531	0.325	0.648	0.477	0.57	0.288	0.591	0.523	0.672	0.582
<b>TRair.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.135	0.344	0.18	0.344	0.21	0.352	0.165	0.329	0.329	0.389	0.374
<b>TRair.2 - Restrictions on the movement of people</b>	0.013	0.009	0.013	0.03	0.026	0.013	0.013	0.013	0.013	0.038	0.009
<b>TRair.3 - Other discriminatory measures and international standards</b>	0	0.044	0	0.044	0.029	0.029	0.007	0.044	0.029	0.058	0.058
<b>TRair.4 - Barriers to competition and public ownership</b>	0.11	0.134	0.11	0.208	0.196	0.165	0.098	0.183	0.147	0.171	0.141
<b>TRair.5 - Regulatory transparency and administrative requirements</b>	0	0	0.022	0.022	0.016	0.011	0.005	0.022	0.005	0.016	0
<b>Maritime transport</b>	0.233	0.187	0.386	0.443	0.238	0.25	0.251	0.387	0.287	0.403	0.383
<b>TRmar.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.16	0.142	0.285	0.285	0.107	0.178	0.178	0.267	0.213	0.178	0.285
<b>TRmar.2 - Restrictions on the movement of people</b>	0.038	0.025	0.038	0.089	0.076	0.038	0.038	0.038	0.038	0.114	0.051
<b>TRmar.3 - Other discriminatory measures and international standards</b>	0.006	0.013	0	0.006	0.006	0.006	0.006	0.019	0	0.025	0.025
<b>TRmar.4 - Barriers to competition and public ownership</b>	0.022	0.007	0.037	0.037	0.029	0.015	0.022	0.037	0.029	0.066	0.022
<b>TRmar.5 - Regulatory transparency and administrative requirements</b>	0.007	0	0.026	0.026	0.02	0.013	0.007	0.026	0.007	0.02	0
<b>Rail freight transport</b>	0.2	0.161	0.245	0.403	0.229	0.253	0.147	0.415	0.149	0.351	0.121
<b>TRrai.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.046	0.061	0.015	0.138	0.046	0.123	0.061	0.215	0.031	0.107	0.046
<b>TRrai.2 - Restrictions on the movement of people</b>	0.024	0.016	0.024	0.056	0.048	0.024	0.024	0.024	0.024	0.073	0.024
<b>TRrai.3 - Other discriminatory measures and international standards</b>	0	0.019	0.01	0.029	0	0	0	0.029	0	0.019	0.019
<b>TRrai.4 - Barriers to competition and public ownership</b>	0.13	0.065	0.146	0.13	0.097	0.081	0.049	0.097	0.081	0.114	0.032
<b>TRrai.5 - Regulatory transparency and administrative requirements</b>	0	0	0.05	0.05	0.038	0.025	0.013	0.05	0.013	0.038	0
<b>Road freight transport</b>	0.106	0.138	0.092	0.366	0.173	0.138	0.085	0.377	0.107	0.237	0.141
<b>TRrof.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.074	0.099	0	0.246	0.099	0.099	0.049	0.271	0.025	0.099	0.049
<b>TRrof.2 - Restrictions on the movement of people</b>	0.032	0.021	0.032	0.074	0.063	0.032	0.032	0.032	0.032	0.095	0.032
<b>TRrof.3 - Other discriminatory measures and international standards</b>	0	0.018	0.018	0.018	0	0	0	0.018	0.018	0.018	0.018
<b>TRrof.4 - Barriers to competition and public ownership</b>	0	0	0.028	0.014	0	0	0	0.042	0.028	0.014	0.042
<b>TRrof.5 - Regulatory transparency and administrative requirements</b>	0	0	0.014	0.014	0.011	0.007	0.004	0.014	0.004	0.011	0
<b>Courier services</b>	0.308	0.333	0.473	0.444	0.212	0.401	0.179	0.867	0.339	0.348	0.37
<b>CR.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.135	0.159	0.15	0.161	0.048	0.135	0.048	0.397	0.11	0.064	0.135

<b>CR.2 - Restrictions on the movement of people</b>	0.022	0.033	0.046	0.051	0.043	0.039	0.022	0.077	0.039	0.065	0.039
<b>CR.3 - Other discriminatory measures and international standards</b>	0.013	0.022	0.027	0.011	0.011	0.022	0.011	0.045	0.013	0.034	0.039
<b>CR.4 - Barriers to competition and public ownership</b>	0.099	0.07	0.137	0.124	0.062	0.128	0.062	0.211	0.128	0.137	0.118
<b>CR.5 - Regulatory transparency and administrative requirements</b>	0.039	0.049	0.113	0.097	0.048	0.077	0.036	0.137	0.049	0.048	0.039
<b>Distribution services</b>	0.079	0.242	0.109	0.401	0.132	0.098	0.069	0.358	0.059	0.219	0.074
<b>DS.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.063	0.15	0.016	0.222	0.079	0.032	0.032	0.209	0.032	0.063	0.032
<b>DS.2 - Restrictions on the movement of people</b>	0.016	0.014	0.016	0.038	0.032	0.022	0.016	0.019	0.016	0.049	0.011
<b>DS.3 - Other discriminatory measures and international standards</b>	0	0.03	0	0.028	0	0	0	0.021	0	0.019	0.019
<b>DS.4 - Barriers to competition and public ownership</b>	0	0.022	0.035	0.081	0	0.023	0	0.054	0	0.035	0.012
<b>DS.5 - Regulatory transparency and administrative requirements</b>	0	0.026	0.042	0.032	0.021	0.021	0.021	0.055	0.011	0.053	0
<b>Commercial banking</b>	0.139	0.136	0.196	0.552	0.194	0.366	0.196	0.492	0.137	0.376	0.131
<b>FSbnk.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.098	0.081	0.081	0.278	0.058	0.183	0.112	0.271	0.054	0.176	0.108
<b>FSbnk.2 - Restrictions on the movement of people</b>	0.019	0.013	0.019	0.044	0.038	0.019	0.019	0.019	0.019	0.056	0.013
<b>FSbnk.3 - Other discriminatory measures and international standards</b>	0	0.01	0.019	0.087	0	0.077	0.01	0.038	0.01	0.067	0.01
<b>FSbnk.4 - Barriers to competition and public ownership</b>	0.011	0.021	0.043	0.086	0.075	0.064	0.032	0.118	0.043	0.043	0
<b>FSbnk.5 - Regulatory transparency and administrative requirements</b>	0.011	0.011	0.034	0.057	0.023	0.023	0.023	0.046	0.011	0.034	0
<b>Insurance</b>	0.135	0.183	0.138	0.524	0.189	0.226	0.161	0.495	0.075	0.456	0.223
<b>FSins.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.099	0.123	0.096	0.36	0.094	0.197	0.129	0.311	0.026	0.333	0.149
<b>FSins.2 - Restrictions on the movement of people</b>	0.02	0.02	0.02	0.039	0.035	0.012	0.012	0.016	0.016	0.047	0.012
<b>FSins.3 - Other discriminatory measures and international standards</b>	0.005	0.018	0	0.032	0	0	0.009	0.027	0	0.005	0.018
<b>FSins.4 - Barriers to competition and public ownership</b>	0.005	0.016	0.016	0.076	0.049	0.011	0	0.124	0.027	0.06	0.038
<b>FSins.5 - Regulatory transparency and administrative requirements</b>	0.006	0.006	0.006	0.017	0.011	0.006	0.011	0.017	0.006	0.011	0.006
<b>Telecommunication</b>	0.19	0.284	0.281	0.607	0.301	0.34	0.254	0.53	0.197	0.429	0.125
<b>TC.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.075	0.247	0.045	0.217	0.127	0.127	0.075	0.202	0.165	0.067	0.06
<b>TC.2 - Restrictions on the movement of people</b>	0.012	0.008	0.012	0.027	0.012	0.012	0.012	0.012	0.012	0.035	0.016
<b>TC.3 - Other discriminatory measures and international standards</b>	0	0.005	0	0.005	0	0.005	0.005	0.005	0	0.014	0.009
<b>TC.4 - Barriers to competition and public ownership</b>	0.103	0.024	0.206	0.34	0.15	0.19	0.15	0.293	0.008	0.301	0.04

<b>TC.5 - Regulatory transparency and administrative requirements</b>	0	0	0.018	0.018	0.012	0.006	0.012	0.018	0.012	0.012	0
<b>Construction</b>	0.157	0.136	0.136	0.313	0.119	0.2	0.152	0.295	0.137	0.311	0.158
<b>CO.1 - Restrictions on foreign ownership and other market entry conditions</b>	0.084	0.067	0.017	0.134	0.017	0.05	0.05	0.101	0.034	0.05	0.034
<b>CO.2 - Restrictions on the movement of people</b>	0.039	0.052	0.039	0.103	0.052	0.052	0.052	0.052	0.039	0.116	0.09
<b>CO.3 - Other discriminatory measures and international standards</b>	0.034	0.017	0.017	0.017	0.034	0.068	0.034	0.051	0.034	0.068	0.034
<b>CO.4 - Barriers to competition and public ownership</b>	0	0	0	0.043	0	0.014	0	0.028	0.014	0.014	0
<b>CO.5 - Regulatory transparency and administrative requirements</b>	0	0	0.063	0.016	0.016	0.016	0.016	0.063	0.016	0.063	0

Source: OECD Services Trade Restrictiveness Index (STRI) database (Accessed on 2 June 2014).

## D. Restrictions affecting provision of accounting and auditing services by APEC economies

	AUS	CDA	CHL	PRC	INA	JPN	ROK	MEX	NZ	RUS	USA
<b>1. Restrictions on foreign ownership and other market entry conditions</b>											
• Maximum foreign equity share less than 100%	x	x	x	x	x	x	x	x	x	x	x
• Equity restrictions apply to non-locally licensed professionals/firms	x	✓	x	✓	✓	x	✓	x	x	✓	✓
• Majority of shareholders must be locally-licensed	x	✓	x	x	✓	x	✓	x	x	✓	✓
• At least one legal form (i.e sole proprietorship, corporation, partnership and/or commercial association between fully integrated practitioners and other professionals) is prohibited	x	x	x	✓	x	✓	✓	x	x	✓	x
• Number of firms restricted by quotas	x	x	x	x	x	x	x	x	x	x	x
• Establishment of foreign firms restricted by economic needs test	x	✓	x	✓	x	x	x	x	x	x	x
• At least one restriction for board of directors (i.e majority and/or at least one must be nationals, residents and/or locally-licensed professionals)	✓	✓	x	✓	✓	x	✓	x	x	x	x
• At least one restriction for managers (i.e must be national, resident and/or locally-licensed professional)	✓	✓	x	✓	✓	✓	✓	x	x	✓	x
• Other restrictions on foreign entry	x	x	x	x	✓	x	x	x	x	x	x
<b>2. Restrictions on the movement of people</b>											
• At least one quota on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	x	x	x	x	x	x	x	✓	✓
• At least one labor market test on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	✓	x	x	✓	✓	x	x	x	x	✓	✓
• At least one limitation on stay (i.e less than 36 months) on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	✓	x	✓	✓	✓	✓	✓	✓	✓
• At least one of the following must be met for license to practice: nationality/citizenship, prior/permanent residency and/or domicile	x	x	x	✓	✓	✓	✓	x	x	✓	x
• No laws or regulations establish a process for recognizing higher education degrees in accounting and auditing earned abroad	x	x	x	x	x	x	x	✓	x	x	x
• Foreign accountants and auditors are required to do at least one of the following to qualify for full membership of the profession: take local examinations and/or practice locally for at least one year	x	✓	x	x	x	✓	✓	x	✓	✓	✓
• Compulsory membership in a professional association for foreign accountants and auditors is not automatically granted if he/she has the required qualifications	x	x	✓	x	x	x	✓	✓	x	✓	x
• Limited or temporary licensing system is not available	✓	✓	✓	x	✓	✓	x	✓	✓	✓	x
• Foreign providers have to completely re-do the university degree, practice and exam in the domestic economy	x	x	x	x	x	x	x	x	x	x	x
• Other restrictions on movement of people	x	x	x	x	✓	x	x	x	x	✓	x

3. Other discriminatory measures and international standards												
• Foreign suppliers treated less favourably regarding taxes and eligibility for subsidies	x	x	x	x	x	x	x	x	x	x	x	x
• Limitations on foreign participation in public procurement	x	✓	x	✓	✓	x	x	x	x	✓	✓	
• Laws, regulations or relevant standard-setter do not use/adopt international standards on auditing	x	x	x	x	✓	✓	✓	✓	x	✓	✓	
• No formal requirement to consider international standards/rules before setting new domestic standards	x	x	x	x	x	x	x	✓	✓	x	✓	
• At least one restriction on use of foreign firm names: prohibited and/or allowed only alongside that of a local partner	x	x	x	✓	✓	x	x	x	x	x	x	x
• Only locally-licensed accountants and auditors may use the name/title 'Accountant' or 'Auditor'	x	✓	x	x	x	x	✓	x	x	✓	x	
• Other restrictions in other discriminatory measures	x	x	x	x	x	x	x	x	x	x	x	x
4. Barriers to competition and public ownership												
• Available appeal procedures in domestic regulatory system are not open to affected foreign parties	x	x	x	x	x	x	x	x	x	x	x	x
• Foreign firms have no redress when business practices are perceived to restrict competition	x	x	x	x	x	x	x	x	x	x	x	x
• Recommended and/or mandatory minimum and/or maximum fees	x	x	✓	✓	x	x	x	x	x	x	x	x
• Advertising is either prohibited or subject to restrictions	x	x	x	✓	x	x	x	✓	x	✓	x	
• Only locally-licensed professionals may advertise and market their services	x	x	x	x	x	x	x	✓	✓	x	x	
• Other restrictions in barriers to competition	x	x	x	x	x	x	x	x	x	x	x	x
5. Regulatory transparency and administrative requirements												
• Regulations are not communicated to the public prior to entry into force	x	x	✓	✓	x	x	x	x	x	x	x	x
• Public comment procedure is not open to interested persons, including foreign suppliers	x	x	✓	x	x	x	x	x	x	✓	x	
• Range of visa processing time is above 10 days	x	x	x	x	x	x	x	x	✓	x	x	
• Time to complete all official procedures to register a company is more than 19 days	x	x	x	✓	✓	✓	x	x	x	x	x	
• Cost to complete all official procedures for registering a company is more than 8.61 percent of income per capita	x	x	x	x	✓	x	✓	✓	x	x	x	
• Number of official procedures for registering a company is above 6.87	x	x	✓	✓	✓	✓	✓	x	x	✓	x	
• Other restrictions in regulatory transparency	x	x	x	x	x	x	x	x	x	x	x	x

Note: ✓ = Restriction; x = No restriction

Source: OECD Services Trade Restrictiveness Index (STRI) Regulatory database (Accessed on 30 October 2014) and adjusted by authors for ease of reference.



4. Barriers to competition and public ownership												
• Available appeal procedures in domestic regulatory system are not open to affected foreign parties	x	x	x	x	x	x	x	x	x	x	x	x
• Foreign firms have no redress when business practices are perceived to restrict competition	x	x	x	x	x	x	x	x	x	x	x	x
• The government controls at least one major firm in the sector	x	x	x	✓	x	✓	x	x	x	x	x	x
• Publicly-controlled firms are subject to an exclusion or exemption from the general competition law	x	x	x	x	x	x	x	x	x	x	x	x
• Minimum capital requirement	x	x	x	✓	✓	x	x	✓	x	✓	x	x
• Other restrictions in barriers to competition	x	x	x	x	x	x	x	x	x	x	x	x
5. Regulatory transparency and administrative requirements												
• Regulations are not communicated to the public prior to entry into force	x	x	✓	✓	x	x	x	x	x	x	x	x
• Public comment procedure is not open to interested persons, including foreign suppliers	x	x	✓	x	x	x	x	x	x	✓	x	x
• Range of visa processing time is above 10 days	x	x	x	x	x	x	x	x	✓	x	x	x
• Time to complete all official procedures to register a company is more than 19 days	x	x	x	✓	✓	✓	x	x	x	x	x	x
• Cost to complete all official procedures for registering a company is more than 8.61 percent of income per capita	x	x	x	x	✓	x	✓	✓	x	x	x	x
• Number of official procedures for registering a company is above 6.87	x	x	✓	✓	✓	✓	✓	x	x	✓	x	x
• Other restrictions in regulatory transparency	x	x	x	x	x	x	x	x	x	x	x	x

Note: ✓ = Restriction; x = No restriction

Source: OECD Services Trade Restrictiveness Index (STRI) Regulatory database (Accessed on 30 October 2014) and adjusted by authors for ease of reference

## F. Restrictions affecting provision of engineering services by APEC economies

	AUS	CDA	CHL	PRC	INA	JPN	ROK	MEX	NZ	RUS	USA
<b>1. Restrictions on foreign ownership and other market entry conditions</b>											
• Maximum foreign equity share less than 100%	x	x	x	x	✓	x	x	x	x	x	x
• Equity restrictions apply to non-locally licensed professionals/firms	x	x	x	x	x	x	x	x	x	x	✓
• Majority of shareholders must be locally-licensed	x	x	x	x	x	x	x	x	x	x	✓
• At least one legal form (i.e sole proprietorship, corporation, partnership, commercial association between fully integrated practitioners and other professionals and/or commercial association between not fully integrated practitioners and fully integrated professionals) is prohibited	x	x	x	✓	x	✓	x	x	x	x	x
• Number of firms restricted by quotas	x	x	x	x	x	x	x	x	x	x	x
• Establishment of foreign firms restricted by economic needs test	x	✓	x	✓	x	x	x	x	x	x	x
• At least one restriction for board of directors (i.e majority and/or at least one must be nationals, residents and/or locally-licensed professionals)	✓	✓	x	✓	x	✓	x	x	x	x	x
• At least one restriction for managers (i.e must be national, resident and/or locally-licensed professional)	x	✓	x	✓	✓	x	x	x	x	x	x
• Acquisition of land and real estate by foreigners is prohibited and/or restricted	✓	x	✓	✓	✓	x	x	✓	✓	✓	x
• Other restrictions on foreign entry	x	x	x	x	✓	x	x	x	x	x	x
<b>2. Restrictions on the movement of people</b>											
• At least one quota on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	x	x	x	x	x	x	x	✓	✓
• At least one labor market test on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	✓	x	x	✓	✓	x	x	x	x	✓	✓
• At least one limitation on stay (i.e less than 36 months) on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	✓	x	✓	✓	✓	✓	✓	✓	✓
• At least one of the following must be met for license to practice: nationality/citizenship, prior/permanent residency and/or domicile	x	x	x	x	✓	x	x	x	x	✓	✓
• No laws or regulations establish a process for recognizing higher education degrees in engineering earned abroad	x	x	x	x	x	✓	x	✓	x	x	x
• Foreign engineers are required to do at least one of the following to qualify for full membership of the profession: take local examinations and/or practice locally for at least one year	x	✓	x	✓	x	x	x	x	✓	x	✓
• Compulsory membership in a professional association for foreign engineers is not automatically granted if he/she has the required qualifications	x	x	x	✓	x	x	✓	x	✓	✓	x
• License or authorization is required to practice as an engineer	x	✓	✓	✓	✓	✓	x	✓	x	✓	✓

• Limited or temporary licensing system is not available	x	x	x	✓	✓	✓	x	✓	✓	x	x
• Foreign providers have to completely re-do the university degree, practice and exam in the domestic economy	x	x	x	x	x	x	x	x	x	x	x
• Other restrictions on movement of people	x	x	x	x	✓	x	x	x	x	✓	x
<b>3. Other discriminatory measures and international standards</b>											
• Foreign suppliers treated less favourably regarding taxes and eligibility for subsidies	x	x	x	x	x	x	x	x	x	x	x
• Limitations on foreign participation in public procurement	x	✓	x	✓	✓	x	x	x	x	✓	✓
• No formal requirement to consider international standards/rules before setting new domestic standards	x	x	x	x	x	✓	x	✓	✓	x	✓
• At least one restriction on use of foreign firm names: prohibited and/or allowed only alongside that of a local partner	x	x	x	x	x	x	x	x	x	x	x
• Only locally-licensed engineers may use the name/title 'Engineer'	x	x	x	x	x	✓	✓	x	x	x	x
• Other restrictions in other discriminatory measures	x	x	x	x	x	x	x	x	x	x	x
<b>4. Barriers to competition and public ownership</b>											
• Available appeal procedures in domestic regulatory system are not open to affected foreign parties	x	x	x	x	x	x	x	x	x	x	x
• Foreign firms have no redress when business practices are perceived to restrict competition	x	x	x	x	x	x	x	x	x	x	x
• Recommended and/or mandatory minimum and/or maximum fees	x	✓	✓	✓	x	x	x	x	x	x	x
• Advertising is either prohibited or subject to restrictions	x	x	x	x	x	x	x	x	x	✓	x
• Only locally-licensed professionals may advertise and market their services	x	x	x	x	x	x	x	x	✓	x	x
• Other restrictions in barriers to competition	x	x	x	x	x	x	x	x	x	x	x
<b>5. Regulatory transparency and administrative requirements</b>											
• Regulations are not communicated to the public prior to entry into force	x	x	✓	✓	x	x	x	x	x	x	x
• Public comment procedure is not open to interested persons, including foreign suppliers	x	x	✓	x	x	x	x	x	x	✓	x
• Range of visa processing time is above 10 days	x	x	x	x	x	x	x	x	✓	x	x
• Time to complete all official procedures to register a company is more than 19 days	x	x	x	✓	✓	✓	x	x	x	x	x
• Cost to complete all official procedures for registering a company is more than 8.61 percent of income per capita	x	x	x	x	✓	x	✓	✓	x	x	x
• Number of official procedures for registering a company is above 6.87	x	x	✓	✓	✓	✓	✓	x	x	✓	x
• Other restrictions in regulatory transparency	x	x	x	x	x	x	x	x	x	x	x

Note: ✓ = Restriction; x = No restriction

Source: OECD Services Trade Restrictiveness Index (STRI) Regulatory database (Accessed on 30 October 2014) and adjusted by authors for ease of reference.

## G. Restrictions affecting provision of legal services by APEC economies

	AUS	CDA	CHL	PRC	INA	JPN	ROK	MEX	NZ	RUS	USA
<b>1. Restrictions on foreign ownership and other market entry conditions</b>											
• Maximum foreign equity share less than 100%	x	x	x	x	✓	x	x	x	x	x	x
• Equity restrictions apply to non-locally licensed professionals/firms	x	✓	x	✓	x	✓	✓	x	✓	x	✓
• Majority of shareholders must be locally-licensed	x	✓	x	✓	x	✓	x	x	x	x	✓
• At least one legal form (i.e sole proprietorship, corporation, partnership, commercial association between fully integrated practitioners and other professionals and/or commercial association between not fully integrated practitioners and fully integrated professionals) is prohibited	x	x	x	✓	x	x	✓	x	✓	x	x
• Prohibitions on hiring locally-licensed lawyers	x	x	x	✓	✓	x	✓	x	✓	x	x
• Number of firms restricted by quotas	x	x	x	x	x	x	x	x	x	x	x
• Establishment of foreign firms restricted by economic needs test	x	✓	x	✓	x	x	x	✓	x	x	x
• At least one restriction for board of directors (i.e majority and/or at least one must be nationals, residents and/or locally-licensed professionals)	✓	✓	x	✓	x	x	✓	✓	✓	x	x
• At least one restriction for managers (i.e must be national, resident and/or locally-licensed professional)	x	✓	x	✓	x	x	x	x	x	x	x
• Other restrictions on foreign entry	x	x	x	x	x	x	x	x	x	x	x
<b>2. Restrictions on the movement of people</b>											
• At least one quota on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	x	x	x	x	x	x	x	✓	✓
• At least one labor market test on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	✓	x	x	✓	✓	x	x	x	x	✓	✓
• At least one limitation on stay (i.e less than 36 months) on the following: intra-corporate transferees, contractual services suppliers and/or independent services suppliers	x	x	✓	x	✓	✓	✓	✓	✓	✓	✓
• At least one of the following must be met for license to practice including limited license: nationality/citizenship, prior/permanent residency and/or domicile	x	x	✓	✓	✓	✓	✓	✓	x	✓	x
• No laws or regulations establish a process for recognizing higher education degrees in law earned abroad	x	x	x	x	x	✓	✓	✓	x	x	x
• Foreign lawyers are required to do at least one of the following to qualify for full membership of the profession: take local examinations and/or practice locally for at least one year	x	✓	✓	x	x	✓	✓	x	✓	✓	✓
• Compulsory membership in a professional association for foreign lawyers is not automatically granted if he/she has the required qualifications	x	x	x	x	x	x	x	x	✓	x	x
• Limited licensing system is not available	x	x	x	x	x	x	x	✓	x	x	x

• Foreign providers have to completely re-do the university degree, practice and exam in the domestic economy	x	x	x	x	x	x	✓	x	x	x	x
• Other restrictions on movement of people	x	x	x	x	✓	x	x	x	x	✓	x
<b>3. Other discriminatory measures and international standards</b>											
• Foreign suppliers treated less favourably regarding taxes and eligibility for subsidies	x	x	x	x	x	x	x	x	x	x	x
• Limitations on foreign participation in public procurement	x	✓	x	✓	✓	x	x	x	x	✓	✓
• No formal requirement to consider international standards/rules before setting new domestic standards	x	x	x	x	x	✓	x	✓	✓	✓	✓
• At least one restriction on use of foreign firm names: prohibited and/or allowed only alongside that of a local partner	x	x	x	x	x	x	x	x	✓	x	x
• Only locally-licensed lawyers may use the name/title 'Lawyer'	✓	✓	✓	✓	x	x	✓	x	x	✓	✓
• Other restrictions in other discriminatory measures	x	x	x	x	x	x	x	x	x	x	x
<b>4. Barriers to competition and public ownership</b>											
• Available appeal procedures in domestic regulatory system are not open to affected foreign parties	x	x	x	x	x	x	x	x	x	x	x
• Foreign firms have no redress when business practices are perceived to restrict competition	x	x	x	x	x	x	x	x	x	x	x
• Recommended and/or mandatory minimum and/or maximum fees	✓	x	✓	✓	x	✓	x	x	x	x	x
• Advertising is either prohibited or subject to restrictions	x	x	x	x	✓	✓	x	x	x	✓	x
• Only locally-licensed professionals may advertise and market their services	✓	x	x	x	x	x	x	x	✓	x	x
• Other restrictions in barriers to competition	x	x	x	x	x	x	x	x	x	x	x
<b>5. Regulatory transparency and administrative requirements</b>											
• Regulations are not communicated to the public prior to entry into force	x	x	✓	✓	x	x	x	x	x	x	x
• Public comment procedure is not open to interested persons, including foreign suppliers	x	x	✓	x	x	x	x	x	x	✓	x
• Range of visa processing time is above 10 days	x	x	x	x	x	x	x	x	✓	x	x
• Time to complete all official procedures to register a company is more than 19 days	x	x	x	✓	✓	✓	x	x	x	x	x
• Cost to complete all official procedures for registering a company is more than 8.61 percent of income per capita	x	x	x	x	✓	x	✓	✓	x	x	x
• Number of official procedures for registering a company is above 6.87	x	x	✓	✓	✓	✓	✓	x	x	✓	x
• Other restrictions in regulatory transparency	x	x	x	x	x	x	x	x	x	x	x

Note: ✓ = Restriction; x = No restriction

Source: OECD Services Trade Restrictiveness Index (STRI) Regulatory database (Accessed on 30 October 2014) and adjusted by authors for ease of reference.

## H. Complete listing of APEC economies with same policies across at least 3 business services

Policies	Economies with same policies across at least 3 business services
<b>1. Restrictions on foreign ownership and other market entry conditions</b>	
Equity restrictions apply to non-locally licensed professionals/firms	USA
Majority of shareholders must be locally-licensed	USA
At least one legal form (i.e sole proprietorship, corporation, partnership, commercial association between fully integrated practitioners and other professionals, or commercial association between fully integrated practitioners and fully integrated professionals) is prohibited	PRC
Establishment of foreign firms restricted by economic needs test	CDA; PRC
At least one restriction for board of directors (i.e. majority or at least one must be nationals, residents or locally-licensed professionals)	AUS; CDA; PRC
At least one restriction for managers (i.e must be national, resident or locally-licensed professional)	CDA; PRC; INA
<b>2. Restrictions on the movement of people</b>	
At least one quota on the following: intra-corporate transferees, contractual services suppliers or independent services suppliers	RUS; USA
At least one labor market test on the following: intra-corporate transferees, contractual services suppliers or independent services suppliers)	AUS; PRC; INA; RUS; USA
At least one limitation on stay (i.e less than 36 months) on the following: intra-corporate transferees, contractual services suppliers or independent services suppliers	CHL; INA; JPN; ROK; MEX; NZ; RUS; USA
At least one of the following must be met for license to practice: nationality/citizenship, prior/permanent residency or domicile	RUS
Foreign accountants and auditors/engineers/lawyers are required to do at least one of the following to qualify for full membership of the profession: take local examinations or practice locally for at least one year	CDA; NZ; USA
Limited or temporary licensing system is not available	MEX
Other restrictions on movement of people	INA; RUS
<b>3. Other discriminatory measures and international standards</b>	
Limitations on foreign participation in public procurement	CDA; PRC; INA; RUS; USA
No formal requirement to consider international standards/rules before setting new domestic standards	JPN; MEX; NZ; USA
Only locally-licensed accountants and auditors or engineers or lawyers may use the name/title 'Accountant' or 'Auditor' or 'Engineer' or 'Lawyer'	ROK
<b>4. Barriers to competition and public ownership</b>	
Recommended and/or mandatory minimum and/or maximum fees	CHL; PRC
Advertising is either prohibited or subject to restrictions	RUS
Only locally-licensed professionals may advertise and market their services	NZ
<b>5. Regulatory transparency and administrative requirements</b>	
Regulations are not communicated to the public prior to entry into force	CHL; PRC
Public comment procedure is not open to interested persons, including foreign suppliers	CHL; RUS
Range of visa processing time is above 10 days	NZ
Time to complete all official procedures to register a company is more than 19 days	PRC; INA; JPN
Cost to complete all official procedures for registering a company is more than 8.61 percent of income per capita	INA; ROK; MEX
Number of official procedures for registering a company is above 6.87	CHL; PRC; INA; JPN; ROK; RUS

Source: APEC Policy Support Unit compilation from OECD Services Trade Restrictiveness Index (STRI) database with modifications.