ASEAN-Japan Transport Statistics Book

December 2013



Compilation of statistical database of Road, Rail, Water and Air transport sector in ASEAN and Japan as of November 2013.

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December 2013 ASEAN-Japan Transport Partnership ASEAN-Japan Transport Statistics Book was launched at the 11th ASEAN-Japan Transport Ministers Meeting in Pakse, Lao PDR on 19th December 2013.

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Limitation

This statistics book has compiled 9 years data (2004 - 2012) of ASEAN member states and Japan at November 2013 and is considered limited to only this version as an overview report of achievements of data collection to date to the 11th ASEAN-Japan Transport Ministers Meeting on 19 December 2013. Data and information update of the data templates will be conducted business as usual through AJTP website.

Abbreviations of Organization

Contry / Categories	Abbreviations	of Organization Name of Organization
International Organization		5. Siguinzului.
mondania organization	ASEAN	Association of South-East Asian Nations
	IMF	International Monetary Fund
Brunei Darussalam		
	MOC	Ministry of Communications, Brunei Darussalam
	LTD	Land Transport Department of Brunei, MOC
	RSU	Road Safety Unit, MOC
	BRUFA	Brunei Freight Forwarders Association
	RBPF	Royal Brunei Police Force
	Marine	Marine Department, MOC
	PORTS	Ports Department, MOC
Oambadia	DCA	Department of Civil Aviation, MOC
Cambodia	MPWT	Ministry of Public Works and Transport of Cambodia
	DLT	Department of Land Transport, MPWT
	RD	Railway Department, MPWT
	PAS	Port Autonomous of Sihanoukvill (PAS)
	PPAP	Phnom Penh Autonomous Port (PPAP)
	SSCA	State Secretariat of Civil Aviation (SSCA)
Indonesia		
	MPW	Ministry of Public Work of Indonesia
	DGLT	Directorate General of Land Transportation
	NTPI	National Traffic Police of Indonesia
	DGR	Directorate General of Railways
	IW	Inland Waterways (Ferry Transport)
	DGST	Directorate General of Sea Transportation
	DGCE	Directorate General of Customs and Excise under the Ministry of Finance
	DGCA	Directorate General of Civil Aviation
I DDD	NTSC	Indonesia's National Transportation Safety Committee
Lao PDR	MPWT	Ministry of Public Works and Transport of Lao PDR
	RD	Road Department, MPWT
	TD	Transport Department, MPWT
	WD	Waterways Department, MPWT
	AD	Aviation Department, MPWT
Malaysia		
	MOT	Ministry of Transport of Malaysia
	KKR	Ministry of Works
	LLM	Malaysian Highway Authority
	JPJ	Road Transport Department
	SPAD	Land Public Transport Commission Royal Malaysian Police
	PDRM	Malaysian Railway
	KTMB	Department Civil Aviation
	DCA Mahb	Malaysia Airport Holding Berhad
	MDM	Marine Department Malaysia
	PWD	Public Works Department
Myanmar		
•	MOT	Ministry of Transport of Myanmar
	DCA	Department of Civil Aviation, MOT
	DMA	Department of Maritime Administration, MOT
	IWT	Inland Water Transport, MOT
	MCDC	Mandalay City Development Committee
	MOC	Ministry of Construction
	MPA	Myanma Port Authority, MOT
	MORT	Ministry of Rail Transportation
	RT	Road Transport Administration Department MODT
	RTAD	Road Transport Administration Department, MORT Transport Planning Department, MORT
	TPD MP	Myanma Railways
	MR	Nay Pyi Taw City Development Committee
	NCDC	Yangon City Development Committee
	YCDC	go o., porotopitoti committo

Abbreviations of Organization

Contry / Categories	Abbreviations	Name of Organization
Philippines		
	DOTC	Department of Transportation and Communications of the Philippines
	LTA	Land Transport Authority, DOTC
	ME	Metrostar Express
	PNR	Philippines National Railway, DOTC
	LRA	Philippines Light Rail Authority, DOTC
	LRT	Light Rail Transit
	PPA	Philippine Ports Authority, DOTC
	CAB	Civil Aeronautics Board
	CAAP	Civil Aviation Authority of the Philippines, DOTC
	MIAA	Manila International Airport Authority, DOTC
Singapore		
	MOT	Ministry of Transport
	SPF	Singapore Police Force
	LTA	Land Transport Authority
	MPA	Maritime and Port Authority of Singapore
	STB	Singapore Tourism Board
	CAAS	Civil Aviation Authority of Singapore
Thailand		A
	MOT	Ministry of Transport of Thailand
	DOH	Department of Highways, MOT
	DRR	Department of Rural Roads, MOT
	BMA	Bangkok Metropolitan Administration
	EXAT	Expressway Authority of Thailand, MOT
	DLT	Department of Land Transport, MOT
	BMTA	Bangkok Mass Transit Authority, MOT
	TCL	The Transport Company Limited, MOT
	DBD	Department of Business Development
	Customs	The Customs Department
	RTP	Royal Thai Police
	SRT	State Railway of Thailand, MOT
	ARL	Airport Rail Link, SRT
	MRTA	Mass Rapid Transit Authority of Thailand, MOT
	BTS	Bangkok Mass Transit System Public Company Limited
	MD	Marine Department, MOT
	PAT	Port Authority of Thailand, MOT Department of Civil Aviation, MOT
	DCA	
	AOT	Airport of Thailand Public Company Limited, MOT
	DOT	Department of Tourism
Vietnam		Ministry of Transport of Vistness
	MOT	Ministry of Transport of Vietnam Directorate for Roads, MOT
	DR	Vietnam Register, MOT
	VR	General Statistics office
	GSO	General Statistics office Ministry of Public Security
	MPS	VietNam Railway Administration, MOT
	VRA	Vietnam Maritime Administration, MOT
	VMA	<u>.</u>
lonon	CAAV	Civil Aviation Authority of Vietnam, MOT
Japan	MLIT (lanen)	Ministry of Land, Infrastructure, Transport and Tourism of Japan
	MLIT (-Japan)	Japan Transport Cooperation Association
	JTCA	Road Transport Bureau, MLIT
	RTB-MLIT	Federation of Taxi - Hire Association
	FTHA	Japan Automobile Manufacturing Association
	JAMA TREO	Transport Research and Statistics Office
	TRSO	National Police Agency
	NPA DR_MLIT	Railway Bureau, MLIT
	RB-MLIT	Ports and Harbours Bureau
	PHB-MLIT	_}
	MB-MLIT	Maritime Bureau, MLIT The Japanese Ship-owners' Sssociation
	JSA CAR MUIT	Civil Aviation Bureau, MLIT
	CAB-MLIT	Ministry of Finance
	MOF	ivinnon y Oi i inanos

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1. Introduction

Introduction

Progress









1. Introduction

1.1 Introduction

This year, 2013, is a commemorative year for ASEAN and Japan in the transport sector. 10 years have passed since adoption of TOR on ASEAN-Japan Transport Partnership (AJTP) in 2003. ASEAN and Japan has promoted many projects in order to improve and develop the transport network for this decade. In addition, this year is also the 40th commemorative year of ASEAN-Japan Friendship and Cooperation.

Transport Database is essential for the formulation of effective and efficient policy. ASEAN and Japan endorsed this Transport Database Project and has conducted intensively it as one of AJTP projects. This Database has been progressing remarkably. In 2011, the website on ASEAN-Japan Transport Statistics Database was opened to the public.

Now ASEAN and Japan is facing the entrance of next decade of AJTP, new policy making upon utilizing and analyzing transport statistics becomes more important in order to tackle emerging challenges such as "Quality Transport" in tandem with economic growth. Therefore ASEAN and Japan decided to make a publication on transport database as of 21 November 2013 in order to disseminate the website of the ASEAN-Japan Transport Statistics Database (AJTP Website). The publication shows not only transport data but also some graphs and charts on transport situation. It is also helpful to transport officials in transport policy planning. It is a cornerstone for the next decade of AJTP.

This publication cannot be published without devoted working of relative Ministries and Agencies, the ASEAN Secretariat, many related transport officials and the Japan Transport Cooperation Association (JTCA). Finally, ASEAN and Japan hopes that this very useful statistics database will be further developed and that it will contributes to the prosperity of the transport sector in ASEAN and Japan. ASEAN and Japan also would be very delightful if transport officials would access the website (http://ajtpweb.org/) and use this database in order to make its transport policy.

1.2 Progress

This chapter is looking back briefly at the progress of ASEAN-Japan Transport Statistics Database including the initiation of ASEAN-Japan Transport Partnership (AJTP).

In 2002, the "ASEAN-Japan Comprehensive Economic Partnership Initiative" was established and discussion about new partnership in transport between ASEAN and japan was initiated. ASEAN and Japan Transport Ministers Meeting was held in 2013 in Myanmar and adopted the TOR of "ASEAN-Japan Transport partnership."

Discussion on the initiation of the AJTP Transport Statistics Database started at the 2nd ASEAN-Japan Transport Policy Workshop (the present "ASEAN-Japan STOM Leaders Conference") on August 10-11, 2004, in Tokyo. The 2nd ASEAN-Japan Transport Ministers Meeting in November, 2004 in Phnom Penh, Cambodia, endorsed the establishment of the "ASEAN-Japan Transport Information Platform Project."

In 2005, ASEAN-Japan Transport Information Platform website was opened to transport officials in ASEAN and Japan. The first ASEAN-Japan Experts Group Meeting on Information Platform for Transport Statistics (hereafter: Expert Group Meeting) agreed to post transport statistics data for each member country on the website.

Surveys on the issues of data collection were conducted in Viet Nam (2006) and Lao PDR (2007). A workshop on recommendation for improvement of data collection and uploading data to the website was held.

In 2008, Expert Group Meeting decided to introduce ASEAN-Japan transport statistics common templates (hereafter: common templates). The common templates include 92 instances of transport statistics and a glossary for common templates. Workshops were also held in Myanmar and Cambodia respectively.

In 2009, the 8th ASEAN-Japan STOM Leaders Conference in Hakodate, Hokkaido discussed intensively the ASEAN-Japan Information Platform Operation Guidelines for improving reliability and the initiative on the opening up the statistics database to the public. The guideline was endorsed by the 7th ASEAN-Japan Transport Ministers Meeting in Hanoi, Viet Nam in December 2009. The Expert Group Meeting has been held since 2009 in order to improve the reliability of the statistics database aiming at opening to the public by the end of 2011. In addition, Workshops on the development of transport statistics were held in Viet Nam and Indonesia respectively in 2010.

In 2011, the 9th ASEAN-Japan Transport Ministers Meeting considered and endorsed opening up of AJTP Statistics Database Website to the public. Immediately after the endorsement, the website was opened to the public on 26 December 2011.

The activities on this transport statistics initiative were continued with the convening of the seminar on development of statistics development in Hanoi in 2012. Study on data collection system was conducted in Japan and Thailand to establish further efficient data collection.

After the opening of the website, the Expert Group Meeting mainly focused its discussion on how to improve further reliability and disseminate information and data on the website. In order to establish another important milestone, Japan proposed to launch the publication on AJTP transport statistics database at the 7th Expert Group Meeting in 2013. To support the realization of this milestone, the 11th STOM Leader Conference in Niigata, Japan welcomed the deliberation of the draft of the publication by the 8th Expert Group Meeting. The said Expert Group Meeting was convened on 30-31 October 2013 in Bali, Indonesia and with intensive discussion it managed to finalise the draft publication. The draft of publication was submitted to the 12th STOM+J and ATM+J which was held in Pakse, Lao PDR in December 2013 and endorsed.

2. ASEAN-Japan Information Platform Website



http://ajtpweb.org/

http://ajtpweb.org/



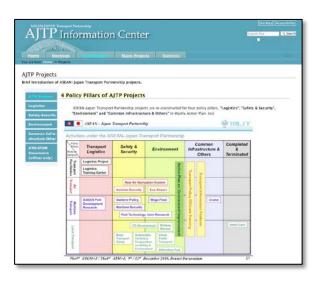
AJTP Information Center AITP Projects Major Projects Statistics Menu of meetings
* ATM-STOM Documents * ATM-STOM Documents(ASEAN Officers Only) * ATM-STOM meeting * Seminar Workshop * Other Meetings

Meeting page

AJTP Information Center

Major Projects on ASEAN Logistics Development

Home



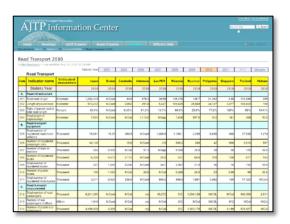
First Carbola Informs Lat Hit Makes Rymnar Polygiou Soppor Trainet Vietur

AJTP Projects page

Major Projects page



Statistics page



Comparison of Road Transport Statistics of AMSs & Japan

Publication of the statistics book is undertaken under the AJTP information platform project that also includes development of AJTP website and opening of ASEAN-Japan transport statistics templates to general public. Data and information included in the statistics book are identical with the data on the common templates and can be get from the AJTP website.

The main purposes of the AJTP website are 1) To share statistics data among the ASEAN transport senior officials 2) To open ASEAN-Japan transport statistics common templates to general public 3) To disseminate transport related information under the ASEAN-Japan partnership.

It is expected to link transport policies development with the statistics data through enhancing accessibility of the data to officials in ASEAN and Japan. Exchange wide idea and sharing data is expected from the open of the website to the general public. In addition, information of ASEAN-Japan Transport Partnership can be shared.

Responding the needs of ASEAN member states, AJTP website was established in 2005 and was open to the public in December 2011.

Consistent with its purposes, the main functions of the AJTP website are inputting statistics data to the common templates, providing the data and disseminating information on the ASEAN-Japan Transport Partnership.

The following is the link to access the AJTP website;

There are 5 headlines named "Home", "Meeting", "AJTP Projects", "Major Projects" and "Statistics" in this website.

The "Home" gives description and photos of meetings (Experts meeting, STOM) and events (seminars and workshops). Related links are also given here.

The "AJTP Projects" gives explanations on the projections under the 4 Policy Pillars of AJTP.

The "Major Projects" gives information on the on-going projects in the ASEAN member states such as transport infrastructure projects to improve logistics. The projects are marked on the map. Detailed information can be obtained by clicking the marks on the map.

The "Statistics" gives information on the transport statistics common templates. The data templates include transport statistics data of ASEAN member states and Japan for 94 indexes.

By clinking flags given on the left, anyone can enter statistics page of the corresponding countries. For example, in the case of Viet Nam, by clicking the "road transport" tab shown, the road transport common template of Viet Nam can be reached.

The following is the road transport statistics common template of the Viet Nam.

The Statistics is a page with a map on which ASEAN Member States and Japan are highlighted. On the right site of the page there are buttons of Road, Rail, Water and Air Transport, by clicking these buttons, comparison template of ASEAN Member States and Japan for 2004~2012 can be reached. The table above is the Road transport data comparison table for 2010.

In addition, there is "Officers Only" button in the home, with ID and password, one can be reached to an area exclusively for transport officers of ASEAN and Japan. In the area, documents of meetings, seminars and workshops are provided under the "Meeting" tab.



Login page for ASEAN officers



Documents for ASEAN officers only can be downloaded with ID and password

3. Road Transport

Outline of Road Transport Statistics

Road Transport Statistics of AMSs and Japan

Comparison of Road Transport Statistics among AMSs and Japan







3. Road Transport Statistics

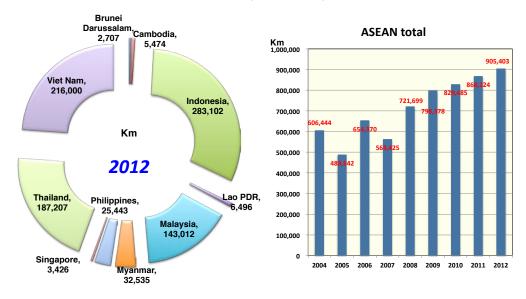
3.1 Outline of Road Transport Statistics



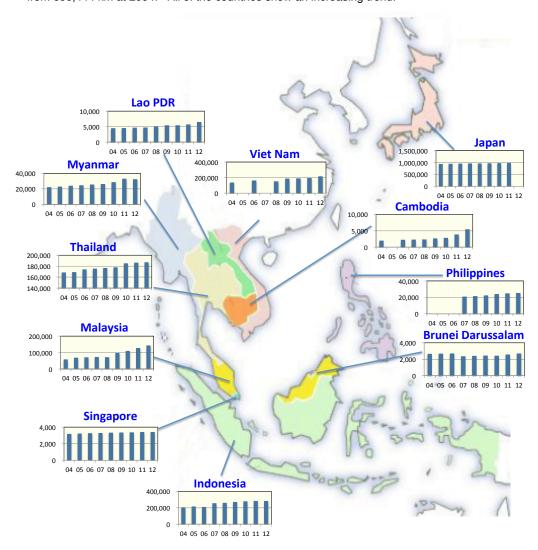


Graph 3.1.1 Total Length of paved roads (Km) (2004 - 2012)





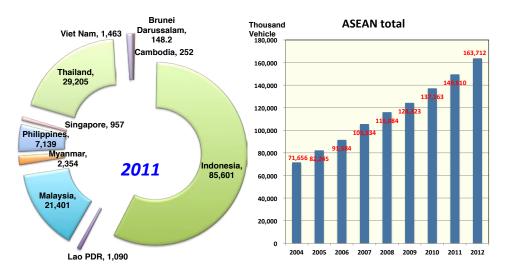
Total length of paved roads in ASEAN region was 905,403 km in 2012. It increased by 50 % from 606,444 km at 2004. All of the countries show an increasing trend.



Graph 3.1.2 Total number of registered road motor vehicles (Thousand) (2004 - 2012)

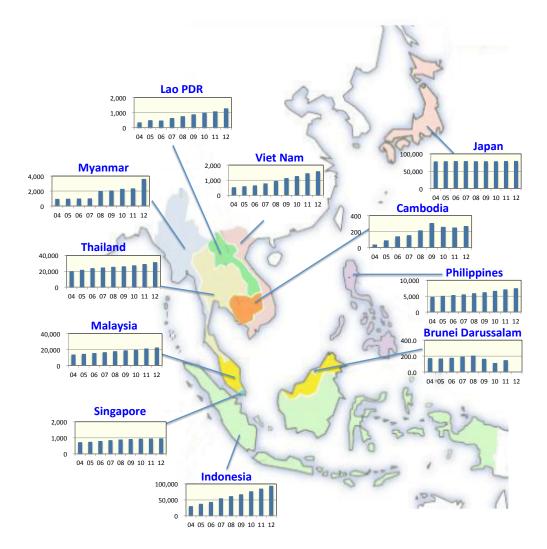








The total number of motor vehicles of ASEAN (163,712 thousand) in 2012 was more than two times of the number in 2004 (71, 656 thousand). In 2011, Indonesia ranked the first with the number of 85, 601 thousand and Thailand ranked the second with number of 29,205 thousand.





3.2 Road Transport Statistics of Each country

In this section, Road transport statistics tables of each country (AMSs and Japan) are stated. In the road transport sector, 31 indicators (code 001 - 031) are collected based on the ASEAN- Japan Common Data templates. Brief definitions of those indicators are shown in Table 3.2.4. The Glossaries in "Chapter 7" describes them more in detail.

The indicators of "m3 - m4" are calculated through dividing original indicators by populations or countries' areas for helping a comparison of transport indicators among AMSs and Japan. The "m1a - m4a" are year-overyear growth rates of indicators.. Background colors of "m1a - m8a" indicate deviations of growth rates from a mean level in each line.(Table 3.2.2)

Trend graphs show relative change of indicators over time. Plot graphs show values and bar chart graphs show percentages, and horizontal lines show zero levels.

Table 3.2.A Additional indicators for further analysis

Code	Indicator name	Actual definition or Activity source of data	Unit/scale
	Miscellaneous		
m1	Population	World Economic Outlook	Million
m1a	Population growth rate	Comparing to the previous year	Percent (%)
m2	GDP per capita	World Economic Outlook	US\$
m2a	Growth rate of GDP per capita	Comparing to the previous year	Percent (%)
m3	Paved road length per 1000 square km	(002) / Country area	km /1000Km2
m3a	Growth rate of Road length per 1000 square km	Comparing to the previous year	Percent (%)
m4	Number of vehicles per 1000 persons	(005) / Population (m1)	Unit / 1000 persons
m4a	Growth rate of number of vehicles per 1000 persons	Comparing to the previous year	Percent (%)
m5	Number of passenger cars per 1000 persons	(006) / Population (m1)	Unit / 1000 persons
m5a	Growth rate of number of passenger car per 1000 persons	Comparing to the previous year	Percent (%)
m6	Number of motorbikes per 1000 persons	(011) / Population (m1)	Unit / 1000 persons
m6a	Growth rate of motorbikes per 1000 persons	Comparing to the previous year	Percent (%)
m7	Number of registered buses per 1000 persons	(009) / Population (m1)	Unit / 1000 persons
m7a	Growth rate of number of registered buses per 1000 persons	Comparing to the previous year	Percent (%)
m8	Road passenger-km/ Population	(015) / Population (m1)	Pax-km / population
m8a	Growth rate of Road passenger-km/ Population	Comparing to the previous year	Percent (%)

Table 3.2.B Color hierarchy indicates degree of year-over-year growth rates

100 % max in the line
50 % mean in the line
0 % minimum in the line

Abbreviations for indicating when information/data in a certain template cell is not provided, either because it does not apply to or because the answer is not available are defined as Table 3.2.3. For example, island countries such as Indonesia, Philippines and Japan do not have activities of import and export by road (code: 027, 028), then "N/App" marks should be used in those cells of the common templates.

Table 3.2.C Abbreviations for indicating data not provided

Mark	Abbreviation	Description
N/App	Not Applicable.	The data is not applicable, because there are no transport activities related the indicator.
N/Col	Not Collected	The data is not Collected by any organization of the country, although there are transport activities related the indicator.
N/Cont	Not Contactable	The data is not contactable, although the data seems to be Collected by some organization.
Confi	Confidential	The data is not disclosed by government.
O/C	Other Case	The Other case.

Table 3.2.D Code numbers and suggested definitions of Road transport statistics indicators

	2.00		suggested definitions of Road transport statistics indicators
Code	Indicator name	Unit	Suggested definition
A. 001	Road infrastructure	l	The total kilometer length of the road network or all roads in the country in the given year. Includes all existing road types or classifications according to the administration responsible for its construction and maintained and continuous according to the administration responsible to the make or design.
VUI	Total road length	km	construction and maintenance (e.g., national, municipal, village, etc.) and according to the make or design standards; includes bridges, tunnels, supporting structures, junctions, crossings and interchanges, toll roads and/or expressways. Excludes dedicated cycle paths.
002	Length of paved road	km	The kilometer length of paved road (road that has been covered with a hard surface such as stones, bricks, tiles, concrete, or asphalt) in the country in a given year.
003	Ratio of paved road to total road length	Percent	Percentage share of paved road to the total length of the road network in the country in a given year.
004	Total length of expressways	km	Total kilometer length of expressways as defined below. An expressway is a divided highway for high-speed traffic with at least partial control of access. The degree of access allowed varies between countries and even between regions within the same country. In some jurisdictions, expressways are divided arterial roads with limits on the frequency of driveways and intersecting cross-streets. In other jurisdictions, access to expressways is limited only to grade-separated interchanges, making them the full equivalent of freeways. (Wikipedia)
В.	Road transport equipment		
005	Total number of registered road motor vehicles	Thousand	The number (stock count) of road motor vehicles of all types registered in the country in a given year and licensed to use roads open to public traffic. Includes road vehicles exempted from annual taxes or license fees; imported second-hand vehicles and other road vehicles according to national practices such as tuktuk, tricycle, bajai, etc Excludes military vehicles.
006	Number of registered passenger cars	Thousand	The number (stock count) of road motor vehicles, other than a motorcycle and the likes, intended for carriage of passengers and designed to seat no more than 9 persons (including the driver) registered in the country in a given year. Includes taxis and hired passenger cars, provided that they have fewer than ten seats, and pick-ups.
007	Number of taxis or taxicabs	Thousand	The number (stock count) of passenger cars registered in the country in a given year and used as a taxi or taxicab.
800	Number of registered trucks	Thousand	The number (stock count) of road motor vehicles designed, exclusively or primarily, to carry goods, regardless of size. Includes fixed route and public trucks.
009	Total number of registered buses	Thousand	The number (stock count) of road motor vehicles registered in the country in a given year primarily intended for carriage of passengers and designed to seat more than 9 persons (including the driver).
010	Number of public buses	Thousand	The number (stock count) of buses registered in the country in a given year that is used for transport of one or more persons (passengers), excluding the driver, scheduled or non-scheduled, within, between and beyond built-up areas, e.g., cities, provinces or regions, etc Includes fixed-route city buses and fixed-route inter-city/provincial/regional buses. Excludes non-fixed route buses such as tourist buses and small share taxi buses (like "sontew"). Excludes buses used for international road transport, e.g., Malaysia-Singapore, Malaysia-Thailand, Lao PDR/Cambodia-Thailand, etc.
011	Total number of registered motorcycles	Thousand	The number (stock count) of two-wheeled road motor vehicles, with or without sidecar, including motor scooter, or three-wheeled motor vehicle not exceeding 400 kg (900 lb) unladen weight such as tuktuk, bajaj, tricycle, etc. registered in the country in a given year.
C.	Road transport measurement		The total number of parents who made a journey by a reed vehicle in a given year leadydae drivers of
012	Total number of road passengers	Thousand	The total number of persons who made a journey by a road vehicle in a given year. Includes drivers of passenger cars. Excludes taxi drivers and service staff assigned to buses, motor coaches, trolleybuses, trams and goods road
013	Number of taxi passengers (million)	Million	The total estimated number of persons who made a journey by taxi in a given year. Note: In Japan, every taxi company must report its revenue, payments and business activities, including the number of passenger, to the MLIT and Ministry of Finance for maintaining the business license, hence the government can estimate the total number of taxi passengers.
014	Number of public bus passengers	Thousand	The total number of persons who made a journey by public bus in the country in a given year.
015	Road passenger-kilometer	Million passenger-km	The total distance actually traveled by passengers by road over one kilometer.
016	Total operational mileage of public buses	Million km	The total distance actually traveled by public buses.
017	Freight	Thousand ton	The gross weight of goods carried by road goods vehicles. Includes the total weight of the goods and all packaging less tare-weight of the container, swap-bodies and pallets containing goods.
018	Freight-kilometer	Million ton-km	The total tonnage (ton-km) of goods actually carried by road goods vehicles over one kilometer.
D. 019	Others (enterprises, logistics & Number of trucking		ance) The number of enterprises performing services in the transport of goods, whose main activity in the field of
020	companies Number of domestic	Company	road transport, according to value-added, is road goods transport. Number of domestic freight forwarder companies. Freight forwarder is an independent individual or company that dispatches shipments by land, air, or sea for
004	forwarders Number of warehouse		exporters for a fee.
021	companies Number of fixed route bus	Company	Number of warehouse companies in the country The number of enterprises/companies providing services in the transport of passengers along fixed routes
022	operators Total number of new driving	Company	within and beyond built-up areas, e.g., cities, provinces, regions, etc.
023	licenses issued for automobiles Total number of new	License	The number of new licenses issued for driving passenger cars, excluding taxis.
024	licenses issued for motorcycles	License	The number of new licenses issued for driving motorcycles, with or without sidecar, including motor scooters.
025	Total domestic freight volume by road	Thousand ton	The gross weight (thousand tons) of goods carried by road goods vehicles in the country. Includes the total weight of goods and all packaging less tare-weight of the container, swap-bodies and pallets
026	Total domestic freight movement by road	Million tons-km	Transported freight multiplied by transported distance (million ton-km) in the country.
027 028	Total import cargo by road	Thousand ton	The total volume (thousand tons) of import cargo transported by truck.
U28 E.	Total export cargo by road Road traffic accident	Thousand ton	The total volume (thousand tons) of export cargo transported by truck.
029	Number of traffic accidents	Cases	The number of accidents involving at least one road vehicle in motion on a public road or private road to which the public has right of access, resulting in at least one injured or killed person.
030	Number of traffic accident casualties (dead)	Person	The number of persons who killed immediately or dying within 24 hours as results of traffic accidents, excluding suicides.
031	Number of traffic accident casualties (injuries)	Person	The number of persons who as result of traffic accidents were not killed immediately or not dying within 24 hours, but sustained an injury, normally needing medical treatment, excluding attempted suicides.
			* Additional information is described in 7.2 Glossaries for more detail.

^{*} Additional information is described in 7.2 Glossaries for more detail.



Table 3.2.1 Road Transport of Brunei Darussalam (2004 - 2012)

											Count	A	2minoi	E 765	km2	(ASEAN-Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	ryAreal	2012	5,765 Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.99%	1.67%	1.37%	1.35%	1.33%	1.84%	1.55%	1.53%	Outlook		
	1 1				00.045									World Economic	1945	
	GDP per capita			US\$	22,345	26,587	31,469	33,102	38,445	28,237	31,982	41,662	41,703	Outlook	IMF	
	Growth rate of GDP per capita Paved road length per 1000 square		(002) /	% Kilometer		18.98%	18.36%	5.19%	16.14%	-26.55%	13.26%	30.27%	0.10%			-
m3	km		Country area	/1000 Km2	462.2	466.0	470.2	411.6	418.2	424.6	422.4	446.7	469.6			
m3a	Growth rate of Road length per 1000 square km			%		0.83%	0.90%	-12.46%	1.60%	1.53%	-0.53%	5.75%	5.13%			
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	493.3	475.2	490.6	518.5	548.3	436.4	293.7	377.1				
m4a	Growth rate of number of vehicles per 1000 persons			%		-3.66%	3.23%	5.69%	5.76%	-20.40%	-32.71%	28.39%				
m5	Number of passenger cars per 1000 persons	-	(006) / m1	Unit/1000 persons	454.75	436.45	447.76	471.82	504.27	403.36	265.08	337.77				
m5a	Growth rate of number of passenger car per 1000 persons			%		-4.02%	2.59%	5.37%	6.88%	-20.01%	-34.28%	27.42%				
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	3.88	4.44	5.63	8.84	9.25	4.47	6.68	8.35				
m6a	Growth rate of motorbikes per 1000 persons			%		14.40%	26.66%	57.05%	4.70%	-51.74%	49.63%	24.90%				
m7	Number of registerd buses per 1000		(009) /	Unit/1000 persons	3.49	3.39	4.01	4.35	3.94	3.31	3.04	2.91				
m7a	Growth rate of mumber of registered		m1	persons %		-2.83%	18.22%	8.42%	-9.49%	-15.96%	-8.14%	-4.29%				
	buses per 1000 persons Boad passenger-km/ Population		(015)/	Pax-km/pop.	N/C-1								N/Col			
	Road passenger-km/ Population Growth rate of Road passenger-km/		m1 ′		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/COI			
m8a	Population			%												
Α.	Road infrastructure			T												
001	Total road length			Kilometer	2,660	2,702	2,713	2,721	2,738	2,755	2,779	2,879	2,909	*1		
002	Length of paved road			Kilometer	2,665	2,687	2,711	2,373	2,411	2,448	2,435	2,575	2,707	*1		
003	Ratio of paved road to total road length			Percent	100%	99%	100%	87%	88%	89%	88%	89%	93%			
004	Total length of expressways			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
В.	Road transport equipment															
005	Total number of registered road motor vehicles			Thousand	173.64	170.61	179.06	191.83	205.62	165.85	113.66	148.19		*1	LTD	
006	Number of registered passenger cars			Thousand	160.07	156.69	163.43	174.58	189.10	153.28	102.59	132.74		*1	LTD	
007	Number of taxis or taxicabs			Thousand	0.001	0.006	0.001	0.003	0.030	0.041	0.009	0.013		*1	LTD	
008	Number of registered trucks	7		Thousand	9.27	9.42	10.09	10.16	8.07	6.68	6.76	9.74		*1	LTD	
009	Total number of registered buses			Thousand	1.23	1.22	1.46	1.61	1.48	1.26	1.18	1.14		*1	LTD	
010	_								1.36			1.59		*1	LTD	
	Number of public buses Total number of registered			Thousand	1.15	1.14	1.34	1.46		1.16	1.08			*1		
011	motorcycles			Thousand	1.37	1.60	2.05	3.27	3.47	1.70	2.59	3.28			LTD	
C.	Road transport measurement			I												
012	Total number of road passengers			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
013	Number of taxi passengers (million)			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
014	Number of public bus passengers			Thousand	3,286	3,292	3,171	2,959	3,145	2,963	3,005	2,225	2,787	*2	LTD	
015	Road passenger-kilometer			Million passenger- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
016	Total operational mileage of public buses			Million kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
017	Freight			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
018	Freight-kilometer			Thousand ton-kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
D.	Others (enterprises, logistics & ec	onomic performance)														
	Number of trucking companies			Company												
020	Number of domestic forwarders			Company	26	26	26	26	26	26	26	26			BRUFA	
021	Number of warehouse companies			Company	18	18	24	27	21	23	23	23			PD	
021	Number of fixed route bus operators	H		Company	20	20	20	20	20	20	20	20	20		MTLA, LTD	
	Total number of new driving licenses												20			
023	issued for automobiles Total number of new licenses issued for			License	5,540	6,341	6,712	7,492	7,987	8,086	6,822	O/C			LTD	
024	motorcycles	~~		License	102	258	99	497	223	181	332	O/C			LTD	
025	Total domestic freight volume by road			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col				
026	Total domestic freight movement by road			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col				
027	Total import cargo by road			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col				
028	Total export cargo by road			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col				
E.	Road traffic accident															
029	Number of traffic accidents			Case/ Count	2,624	2,771	2,710	2,674	2,775	3,110	3,414	3,598	3,310		RSU/ RBPF	
030	Number of traffic accident casualties	-\\\		Count	36	38	32	54	29	38	26	47	28		RSU/ RBPF	
031	(dead) Number of traffic accident casualties			Person		567	555	556	515	608	698	699	489		RSU/	
	(injuries) Brunei Darussalam Statistical Yearbook / De													sport Departn	RBPF	

^{*1} Brunei Darussalam Statistical Yearbook / Department of Economic Planning and Development (JPKE) 2007 & 2011 / Land Transport Department

^{*2} Motor Transport Licensing Authority / Land Transport Department

Table 3.2.2 Road Transport of Cambodia (2004 - 2012)

										Co	ountryA	reaCam	nbodia	181,035	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	13.55	13.83	14.16	14.32	14.56	14.81	14.95	15.10	15.25	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.05%	2.42%	1.14%	1.66%	1.67%	1.00%	1.00%	1.00%	Oddook		
	-	Hallen												World Economic		
m2	GDP per capita			US\$	393	455	514	603	711	703	753	853	934	Outlook	IMF	
m2a	Growth rate of GDP per capita			%		15.66%	12.86%	17.43%	17.86%	-1.05%	7.00%	13.39%	9.39%			
m3	Paved road length per 1000 square km		(002) / Country area	/1000 Km2	10.9		12.4	12.7	12.9	14.7	15.8	21.4	30.2			
m3a	Growth rate of Road length per 1000 square km			%				2.63%	1.83%	13.62%	7.18%	36.08%	41.05%			
m4	Number of vehicles per 1000 persons	-	(005) / m1	Unit/1000 persons	2.8	6.5	9.9	10.8	14.8	20.7	17.4	16.7	17.8			
m4a	Growth rate of number of vehicles	1		%		128.95%	52.81%	9.32%	37.28%	40.16%	-16.00%	-4.32%	6.65%			
m5	per 1000 persons Number of passenger cars per 1000		(006)/	Unit/1000	0.76	0.93	1.32	1.02	1.09	1.38	1.04	1.47	1.46			
	persons Growth rate of number of passenger		m1	persons 0/	0.70											
m5a	car per 1000 persons		(011) /	%		22.14%	42.51%	-22.96%	7.39%	26.40%	-24.42%	40.44%	-0.62%			
m6	Number of motorbikes per 1000 persons	- The same of the	(011) / m1	Unit/1000 persons	1.7	5.1	7.9	9.1	13.0	18.6	15.8	14.4	15.3			
m6a	Growth rate of motorbikes per 1000 persons			%		205.78%	54.36%	15.38%	42.83%	43.42%	-15.18%	-8.54%	5.82%			
m7	Number of registerd buses per 1000 persons	/	(009) / m1	Unit/1000 persons	0.01	0.01	0.02	0.03	0.02	0.02	0.02	0.03	0.03			
m7a	Growth rate of mumber of registered buses per 1000 persons			%		-13.65%	91.43%	13.61%	-43.34%	37.96%	-30.94%	76.99%	23.03%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
m8a	Growth rate of Road passenger-km/		"""	%												
	Population Road infrastructure			,-												
			I										l		Report MPWT	MRD length
001	Total road length			Kilometer	4,165	N/Col	30,258	30,391	30,652	39,618	44,919	44,919	51,422		L=12257 and MRD	Road 39165km
002	Length of paved road	· · · · · · · · · · · · · · · · · · ·		Kilometer	1,980	N/Col	2,241	2,300	2,342	2,661	2,852	3,881	5,474		Report MPWT	*2
003	Ratio of paved road to total road length	.		Percent	48%		7.4%	7.6%	7.6%	6.7%	6.4%	8.6%	10.7%		Report MPWT	
004	Total length of expressways			Kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
В.	Road transport equipment															
005	Total number of registered road			Thousand	38	89	140	154	215	307	260	252	271		D LT, MPWT	*3
	motor vehicles					12.81							22.21		D LT, MPWT	-
	Number of registered passenger cars			Thousand	10.28		18.69	14.57	15.90	20.44	15.60	22.13				
007	Number of taxis or taxicabs	,		Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col		D LT, MPWT	
800	Number of registered trucks			Thousand	1.46	1.20	2.28	3.03	3.27	3.24	2.17	2.89	4.71		D LT, MPWT	
009	Total number of registered buses			Thousand	0.20	0.18	0.35	0.40	0.23	0.32	0.23	0.40	0.50		D LT, MPWT	
010	Number of public buses			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col		D LT, MPWT	
011	Total number of registered motorcycles			Thousand	23	71	112	130	189	275	236	218	233		D LT, MPWT	
C.	Road transport measurement															
	Total number of road passengers			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Number of taxi passengers (million)			Million	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
014	Number of public bus passengers			Thousand Million	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
015	Road passenger-kilometer	• • • • • • • • • • • • • • • • • • • •		passenger- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
016	Total operational mileage of public buses	• • • • • • • • • • • • • • • • • • • •		Million kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
017	Freight			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
018	Freight-kilometer	• • • • • • • • • • • • • • • • • • • •		Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
D.	Others (enterprises, logistics & ed	conomic performance)														
	Number of trucking companies			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Number of domestic forwarders			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Number of warehouse companies			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
022	Number of fixed route bus operators			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
023	Total number of new driving licenses issued for automobiles			License	25,257	26,658	18,681	41,406	44,957	46,475	56,209	66,310	62,719		D LT, MPWT	
024	Total number of new licenses issued for motorcycles			License	21	71	3	8,108	5,269	16,554	95,339	16,258	8,645		D LT, MPWT	
025	Total domestic freight volume by road			Thousand tons	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
026	Total domestic freight movement by			Million tons-	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	road Total import cargo by road			km Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
				ton Thousand												
	Total export cargo by road			ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
E.	Road traffic accident															
029	Number of traffic accidents			Person	4,255	6,301	9 338	9 449	10 015	12,538	5,518	5,007	4,305		D LT, MPWT	
030	Number of traffic accident casualties (dead)			Person					1,638	1,717	1,649	1,890	1,894		D LT, MPWT	
031	Number of traffic accident casualties (injuries)								24,158	19,510	9,544	8,554	7,467		D LT, MPWT	
	Y.2012 Length Roads for MPWT,up to	March2013	*2	Year 2012 Pay	ment+Cor	ocrete	*3	Report up	to March	2012			-			

^{*1} Y.2012 Length Roads for MPWT,up to March2013 *2 Year 2012 Payment+Concrete *3 Report up to March 2013



Table 3.2.3 Road Transport of Indnesia (2004 - 2012)

		. 01 1114110014 (20									Country	Arealnd	onesia	1,904,569	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population	- A		Million	218.29	221.40	224.56	227.76	231.01	234.30	237.64	241.03	244.47	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%			
m2	GDP per capita			USS	1,178	1,291	1,623	1,898	2,211	2,300	2,986	3,511	3,592	World Economic Outlook	IMF	
	Growth rate of GDP per capita	I I -		%	, ,	9.62%	25.71%	16.95%	16.54%	3.99%	29.84%	17.58%	2.33%	Oddook		
m3	Paved road length per 1000 square		(002) / Country	Kilometer	108.2	113.8	109.6	134.7	135.9	142.4	145.8	148.6	148.6			
	km Growth rate of Road length per 1000		area	/1000 Km2	100.2	5.13%	-3.68%	22.91%	0.86%	4.83%	2.41%	1.93%	0.00%			
moa	square km		(005)/	/6 Unit/1000	400.0											
	Number of vehicles per 1000 persons Growth rate of number of vehicles		m1	persons	139.9	169.8	192.9	240.6	267.0	287.4	323.6	355.1	386.0			
Шча	per 1000 persons Number of passenger cars per 1000		(006) /	% Unit/1000		21.36%	13.59%	24.75%	10.98%	7.63%	12.61%	9.74%	8.70%			
	persons Growth rate of number of passenger		m1	persons	19.39	22.93	26.88	30.20	32.42	33.76	37.41	39.62	42.67			
iiisa	car per 1000 persons		(011) (%		18.26%	17.22%	12.35%	7.38%	4.13%	10.82%	5.89%	7.71%			
1110	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	106	129	145	184	206	225	257	286	312			
iiioa	Growth rate of motorbikes per 1000 persons	<u> </u>		%		21.98%	12.41%	27.16%	12.06%	9.10%	14.12%	11.12%	9.40%			
m7	Number of registerd buses per 1000 persons		(009) / m1	Unit/1000 persons	4.28	5.01	6.01	7.62	8.91	9.22	9.47	9.35	9.30			
m7a	Growth rate of mumber of registered buses per 1000 persons			%		17.29%	19.89%	26.79%	16.94%	3.47%	2.66%	-1.22%	-0.56%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
m8a	Growth rate of Road passenger-km/ Population			%												
A.	Road infrastructure															
001	Total road length			Kilometer	372,629	391,009	393,794	421,535	437,759	476,337	487,314	496,607	504,184 *4		MPW	*1
002	Length of paved road	-		Kilometer	206,144	216,714	208,732	256,548	258,744	271,230	277,755	283,102	283,102		MPW	*1
	Ratio of paved road to total road length			Percent	55%	55%	53%	61%	59%	57%	57%	57%	57%			
	Total length of expressways	/		Kilometer	660.0	772.0	772.0	772.0	722.0	722.0	757.7	757.7	757.7		MPW	*1
В.	Road transport equipment	1														
005	Total number of registered road			Thousand	30,542	37,593	43,313	54,803	61,685	67,337	76,907	85,601	94,373		Police/Stat. Indonesia	*1,*4
	motor vehicles Number of registered passenger cars			Thousand	4,232	5,076	6,035	6,877	7,490	7,910	8,891	9,549	10,432		Police/Stat.	*1,*4
	Number of taxis or taxicabs			Thousand	N/Cont	N/Cont	N/Cont	N/Cont	52.8	53.1	57.3	57.3	62.0		Indonesia DGLT	
	Number of registered trucks			Thousand	2,316	2,875	3,399	4,234	4,452	4,498	4,688	4,959	5,286		Police/Stat.	*1,*4
				Thousand	933	1,110			2,059	2,161	2,250	2,254	2,274		Indonesia Police/Stat.	*1,*4
	Total number of registered buses			Thousand	19.4	19.3	1,350	1,736	20.0	18.9	20.8	21.2	21.7		Indonesia	1, 4
	Number of public buses Total number of registered														Police/Stat.	*4 *4
	motorcycles			Thousand	23,061	28,532	32,529	41,955	47,684	52,767	61,078	68,839	76,381		Indonesia	*1,*4
	Road transport measurement			L												
	Total number of road passengers			Thousand	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Number of taxi passengers (million)			Thousand	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Number of public bus passengers			Thousand Million	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Road passenger-kilometer Total operational mileage of public			passenger-km Million	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	buses			kilometer	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
017	Freight			ton	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Freight-kilometer			Thousand ton- kilometer	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Others (enterprises, logistics & ec	onomic performance)								I						
019	Number of trucking companies			Company	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
020	Number of domestic forwarders			Company	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
021	Number of warehouse companies			Company	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
	Number of fixed route bus operators			Company	759	765	772	790	822	846	865	883	907		DGLT	*2
023	Total number of new driving licenses issued for automobiles			License	N/Cont	N/Cont	1,891,451	2,182,174	2,436,471	2,448,420	2,167,291	N/Cont	N/Cont		NTPI/Police	*1
024	Total number of new licenses issued for motorcycles			License	N/Cont	N/Cont	4,557,745	5,507,220	6,646,792	5,582,196	5,109,547	N/Cont	N/Cont		NTPI/Police	*1
025	Total domestic freight volume by road			Thousand ton	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
026	Total domestic freight movement by road			Million ton- kilometer	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
027	Total import cargo by road			Thousand ton	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
028	Total export cargo by road			Thousand ton	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
E.	Road traffic accident															
029	Number of traffic accidents	/		Case/ Count	17,732	91,623	87,020	49,553	59,164	62,960	66,488	109,776	109,038		NTPI/Police	
	Number of traffic accident casualties (dead)			Count	11,204	16,115	15,762	16,955	20,188	19,979	19,873	31,185	29,544		NTPI/Police	*3
024	Number of traffic accident casualties (injuries)			Person	21,067	87,208	85,592	67,008	79,171	86,405	90,005	144,230	154,868		NTPI/Police	Heavy & Light injuries
	Source : Statistics Indonesia	*2	Inter Cit	y Inter Provinc	e	*3	Injuries n	ot included		*4	Figures of	2012 are	Preliminar	y data from I	ndonesia S	tatistics 2

Table 3.2.4 Road Transport of Lao PDR (2004 - 2012)

Ia	ble 3.2.4 Road Transport	of Lao PDR (200	04 - 20	12)							Cou	ntryAre	aLaos	236,800	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	5.67	5.75	5.84	5.93	6.02	6.11	6.20	6.29	6.38	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.52%	1.55%	1.52%	1.53%	1.49%	1.46%	1.40%	1.40%			
	, ,				410									World Economic	INAT	-
	GDP per capita			US\$	419	474	610	712	879	916	1,105	1,320	1,446	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita		(002) /	% Kilometer		12.97%	28.78%	16.77%	23.37%	4.19%	20.71%	19.43%	9.49%			
m3	Paved road length per 1000 square km		Country area	/1000 Km2	19.0	19.2	19.7	20.0	21.6	22.9	22.9	24.1	27.4			
m3a	Growth rate of Road length per 1000 square km			%		0.62%	2.71%	1.63%	8.28%	6.01%	-0.13%	5.09%	13.90%			
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	63.5	86.8	81.6	108.1	127.6	145.0	162.7	173.3	202.0			
m4a	Growth rate of number of vehicles per 1000 persons			%		36.69%	-5.98%	32.44%	18.08%	13.62%	12.20%	6.54%	16.53%			
m5	Number of passenger cars per 1000 persons		(006) / m1	Unit/1000 persons	0.19	0.23	0.26	0.37	0.42	0.44	0.47	0.48	0.47			
m5a	Growth rate of number of passenger car per 1000 persons			%		16.42%	13.63%	44.47%	11.92%	6.41%	5.87%	2.02%	-1.38%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	37	50	63	86	104	116	130	130	158			
m6a	Growth rate of motorbikes per 1000	Ind		%		36.54%	25.77%	35.94%	20.51%	12.52%	11.36%	0.31%	21.16%			
m7	persons Number of registerd buses per 1000		(009) /	Unit/1000	0.64	0.83	0.98	1.58	2.11	3.04	3.98	4.13	5.80			
	persons Growth rate of mumber of registered		m1	persons 9/	0.04											
m7a	buses per 1000 persons		(015) /	%		31.34%	16.94%	62.44%	33.06%	44.30%	30.89%	3.81%	40.34%			-
m8	Road passenger-km/ Population		m1	Pax-km/pop.	293	291	320	356	351	354	412	375	411			
m8a	Growth rate of Road passenger-km/ Population		-	%		-0.67%	9.83%	11.39%	-1.56%	1.00%	16.31%	-9.02%	9.49%			
A.	Road infrastructure															
001	Total road length			kilometer	31,300	33,900	37,150	37,770	39,550	39,550	39,590	41,030	43,600			
002	Length of paved road			Kilometer	4,507	4,535	4,658	4,734	5,126	5,434	5,427	5,703	6,496		RD	
003	Ratio of paved road to total road length			Percent (%)	14%	13%	13%	13%	13%	14%	14%	14%	15%			
004	Total length of expressways	• • • • • • • • • • • • • • • • • • • •		Kilometer	N/App											
В.	Road transport equipment															
005	Total number of registered road			Thousand	360	499	477	641	769	886	1,009	1,090	1,288	MPWT	TD	
006	motor vehicles			Thousand	1.1	1.3	1.5	2.2	2.5	2.7	2.9	3.0	3.0			
	Number of registered passenger cars															
007	Number of taxis or taxicabs			Thousand	N/Col		N/Col	N/Col	N/Col	N/Col	N/Col	0.1	0.1			
800	Number of registered trucks			Thousand	11.3	11.7	14.6	15.5	19.1	23.0	25.5	27.0	33.0			
009	Total number of registered buses			Thousand	3.6	4.8	5.7	9.4	12.7	18.6	24.7	26.0	37.0			
010	Number of public buses			Thousand	N/Col											
011	Total number of registered motorcycles			Thousand	209	289	369	509	623	712	804	818	1,005			
C.	Road transport measurement															
012	Total number of road passengers	~		Thousand	34,282	34,867	36,540	38,310	37,617	38,962	45,272	41,369	47,607	MPWT	TD	
013	Number of taxi passengers (million)			Thousand	N/Col											
014	Number of public bus passengers			Thousand	N/Col	N/Col	33,327	34,325	35,355	36,416	39,721	40,110	41,210			
	Road passenger-kilometer	-		Million	1,662	1,676	1,869	2,114	2,113	2,166	2,556	2,358	2,618			
016	Total operational mileage of public			passenger-km Million	N/Col		N/Col	N/Col	N/Col		N/Col	N/Col	N/Col			
	buses			kilometer Thousand												
	Freight			ton	2,440	2,529	2,709	3,322	3,659	3,707	4,430	4,332	4,548			
	Freight-kilometer			Thousand ton- kilometer	258,200	259,900	266,270	277,133	286,667	296,175	383,015	336,590	362,526			
	Others (enterprises, logistics & ec	onomic performance)				I										
019	Number of trucking companies			Company	39	40	40	40	40	41	41	41	41	MPWT	TD	
020	Number of domestic forwarders			Company	N/App											
021	Number of warehouse companies			Company	N/Col			L								
022	Number of fixed route bus operators			Company	26	26	27	27	28	30	34	34	34			
023	Total number of new driving licenses issued for automobiles			License	238,141	388,842	413,355	434,022	464,403	501,555	536,663	574,029	614,211			
024	Total number of new licenses issued for motorcycles	*************		License	176,145	220,072	267,183	285,885	311,614	336,543	360,101	381,639	408,353			
025	Total domestic freight volume by			Thousand	2,440	2,529	2,709	3,322	3,659	3,707	4,430	4,332	4,548			
026	road Total domestic freight movement by	~		Million ton-	258,200	259,900	266,270	277,133	286,667	296,175	383,015	336,590	362,526			
	Total import cargo by road			kilometer Thousand		N/Col										
027	Total import cargo by road			ton	N/Col		N/Col									
028	Total export cargo by road			ton	N/Col											
E.	Road traffic accident					ı		ı								
029	Number of traffic accidents			Case/ Count	1,136	3,212	3,770	4,824	5,024	5,233	5,638	5,935	6,146			
030	Number of traffic accident casualties (dead)			Count	115	305	265	608	616	735	788	773	888			
031	Number of traffic accident casualties (injuries)			Person	N/Col											
				-		•		•								

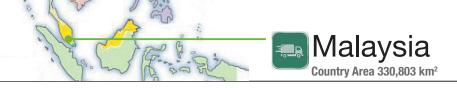


Table 3.2.5 Road Transport of Malaysia (2004 - 2012)

Та	ble 3.2.5 Road Transport	of Malaysia (200	04 - 20	12)							Country	ΔreaMa	ılavsia	330,803	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	25.91	26.48	26.83	27.19	27.54	28.08	28.59	28.96	29.46	World Economic Outlook	IMF	
m1a	Population growth rate	I		%		2.21%	1.34%	1.32%	1.31%	1.96%	1.81%	1.31%	1.70%			
m2	GDP per capita			US\$	4,816	5,421	6,066	7,122	8,390	7,203	8,634	9,941	10,304	World Economic Outlook	IMF	
	Growth rate of GDP per capita			%	.,	12.58%	11.88%	17.41%	17.81%	-14.15%	19.86%	15.14%	3.65%	Outlook		
m3	Paved road length per 1000 square		(002) / Country	Kilometer	179.1	209.6	215.5	220.8	217.3	297.4	331.4	385.5	432.3			
m3a	km Growth rate of Road length per 1000		area	/1000 Km2	173.1	17.02%	2.82%	2.47%	-1.61%		11.44%	16.32%	12.15%			
	square km		(005) /	Unit/1000						36.86%						
	Number of vehicles per 1000 persons Growth rate of number of vehicles		m1	persons	530.7	557.7	586.5	618.5	652.5	677.2	706.2	738.9	770.7			
m4a	per 1000 persons		(006) /	%		5.10%	5.17%	5.45%	5.50%	3.79%	4.28%	4.63%	4.30%			
m5	Number of passenger cars per 1000 persons		m1	Unit/1000 persons	245.71	261.62	276.24	291.95	309.03	323.13	339.68	357.24	373.66			
m5a	Growth rate of number of passenger car per 1000 persons	Intl		%		6.48%	5.59%	5.69%	5.85%	4.56%	5.12%	5.17%	4.60%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	253.6	264.0	277.3	292.2	308.2	318.4	330.3	344.7	359.5			
m6a	Growth rate of motorbikes per 1000 persons	-888		%		4.12%	5.01%	5.37%	5.47%	3.31%	3.74%	4.38%	4.28%			
m7	Number of registerd buses per 1000 persons		(009) / m1	Unit/1000 persons	1.79	1.81	1.86	2.29	2.33	2.37	2.42	2.48	2.50			
m7a	Growth rate of mumber of registered buses per 1000 persons			%		1.15%	2.88%	23.17%	1.47%	1.95%	2.02%	2.47%	0.73%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.	N/Col											
m8a	Growth rate of Road passenger-km/			%		N/Col										
	Population Road infrastructure															
	Total road length			Kilometer	77,695	88,514	90,131	91,892	90,467	123,021	135,478	157,167	182,699	Warta Jalan	PWD	Federal and
	-	_=					·			·				Persekutuan & Marris System Warta Jalan Persekutuan &		State Road Federal and
002	Length of paved road Ratio of paved road to total road			Kilometer	59,255	69,340	71,292	73,054	71,875	98,368	109,625		143,012	Warta Jalan	LLM	State Road
003	length			Percent	76%	78%	79%	79%	79%	80%	81%	81%	78%	Persekutuan & Marris System	PWD	Federal and State Road
004	Total length of expressways			Kilometer	1,417	1,471	1,471	1,474	1,526	1,594	1,638	1,745	1,817		LLM	
B.	Road transport equipment	_						O/C	O/C	O/C						
005	Total number of registered road motor vehicles			Thousand	13,747	14,767	15,738	16,814	17,970	19,017	20,189	21,401	22,702	Transport Statistic Malaysia	JPJ	
006	Number of registered passenger cars			Thousand	6,365	6,927	7,412	7,937	8,511	9,074	9,711	10,347	11,007	Transport Statistic Malaysia	JPJ	
007	Number of taxis or taxicabs			Thousand	60.5	65.5	70.2	72.4	75.0	79.1	84.7	90.0	93.0	Transport Statistic Malaysia	JPJ	
008	Number of registered trucks			Thousand	767	800	836	871	909	936	966	998	1,032	Transport Statistic Malaysia	JPJ	
009	Total number of registered buses			Thousand	46.3	47.9	49.9	62.3	64.1	66.6	69.1	71.8	73.5	Transport Statistic	JPJ	
010	Number of public buses			Thousand	N/Cont											
011	Total number of registered			Thousand	6,569	6,991	7,440	7,943	8,487	8,940	9,442	9,985	10,590	Transport Statistic Malaysia	JPJ	
	motorcycles Road transport measurement			moudunu	0,000	0,001	1,446	7,040	0,401	0,040	0,112	0,000	10,000	Maiaysia		
	Total number of road passengers			T 1	N/O-1	11/0-1	N/O-1									
012				Thousand	N/Col											
013	Number of taxi passengers (million)			Million	N/Col											
014	Number of public bus passengers			Thousand	N/Col											
015	Road passenger-kilometer			passenger- kilometer	N/Col											
016	Total operational mileage of public buses			Million kilometer	N/Col											
017	Freight			Thousand ton	N/Col											
018	Freight-kilometer			Million ton- kilometer	N/Col											
D.	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies		*1	Company	21,689	22,814	23,858	25,700	28,262	30,823	33,162	38,193	39,277		SPAD	
020	Number of domestic forwarders			Company	N/Col											
021	Number of warehouse companies			Company	N/Cont		N/Cont									
022	Number of fixed route bus operators			Company	N/Cont											
	Total number of new driving licenses		motocar			427,991		418,199	457,613	470,162					JPJ	
023	issued for automobiles Total number of new licenses issued for	V		License	450,936		423,094				538,948		540,391			
024	motorcycles Total domestic freight volume by		motocycle	License Thousand	181,969	208,918	239,192	234,328	228,084	232,454	244,463	253,833	301,862		JPJ	
025	road Total domestic freight movement by			tons Million tons-	N/Col											
026	road			km	N/Col											
027	Total import cargo by road			Thousand ton	N/Col											
028	Total export cargo by road			Thousand ton	N/Col											
E.	Road traffic accident															
029	Number of traffic accidents			Cases	326,817	328,264	339,252	363,319	372,990	397,330	414,421	449,040	462,423		Royal Malaysian Police Force	PDRM
030	Number of traffic accident casualties (dead)			Person	6,228	6,200	6,287	6,282	6,527	6,745	6,872	6,877	6,917		Royal Malaysian Police Force	PDRM
031	Number of traffic accident casualties (injuries)	1		Person	47,863	40,812	29,138	27,717	25,747	24,672	21,397	18,693	17,522		Royal Malaysian Police Force	PDRM

Table 3.2.6 Road Transport of Myanmar (2004 - 2012)

Та	ble 3.2.6 Road Transport	of Myanmar (20	04 - 20)12)						c	Country	∆reaMva	anmar	678.500	km2	(ASEAN-Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	54.30	55.39	56.51	57.64	58.80	59.98	61.19	62.42	63.67	World Economic Outlook	IMF	
	-													Outlook		
m1a	Population growth rate			%		2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	W-445		
m2	GDP per capita			US\$	195	216	257	350	533	587	742	824	835	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		11.20%	18.60%	36.42%	52.35%	10.09%	26.29%	11.13%	1.26%			
m3	Paved road length per 1000 square km		(002) / Country area	Kilometer /1000 Km2	32.6	33.6	35.3	36.4	37.7	38.8	42.1	48.7	48.0			
m3a	Growth rate of Road length per 1000 square km			%		3.06%	4.93%	2.98%	3.58%	3.05%	8.49%	15.56%	-1.45%			
m4	Number of vehicles per 1000 persons	,,,,	(005) / m1	Unit/1000 persons	17.7	17.7	17.6	17.8	33.9	34.5	37.6	37.7	56.8			
m4a	Growth rate of number of vehicles			%		-0.03%	-0.67%	1.19%	90.89%	1.67%	8.98%	0.37%	50.51%			
m5	per 1000 persons Number of passenger cars per 1000		(006)/	Unit/1000 persons	3.43	3.48	3.54	3.71	3.91	4.05	4.25	4.21	4.42			
	persons Growth rate of number of passenger		m1		0.40											-
m5a	car per 1000 persons Number of motorbikes per 1000		(011)/	% Unit/1000		1.72%	1.59%	4.89%	5.36%	3.57%	4.89%	-0.84%	4.95%			-
m6	persons		m1	persons	12	12	11	11	27	28	31	31	50			
m6a	Growth rate of motorbikes per 1000 persons			%		-1.66%	-1.05%	-0.61%	140.81%	1.99%	10.15%	0.79%	59.83%			
m7	Number of registerd buses per 1000 persons	~~~	(009) / m1	Unit/1000 persons	0.33	0.32	0.34	0.33	0.34	0.33	0.34	0.32	0.31			
m7a	Growth rate of mumber of registered buses per 1000 persons			%		-1.97%	3.48%	-1.97%	3.19%	-1.97%	2.93%	-6.34%	-4.62%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.					311	437	463.9	454.8	1,028			
m8a	Growth rate of Road passenger-km/ Population			%						40.41%	6.14%	-1.96%	125.96%			
Α.	Road infrastructure															
				hilamit	00 ===	00.000	404.455	444 ===	405 (51	407.000	420 = :-	450.015	454.555	NCDC,YCDC,		
001	Total road length			kilometer	90,700	92,900	104,100	111,700	125,400	127,900	136,749	150,816	151,298	MCDC Ministry of		
002	Length of paved road			Kilometer	22,153	22,830	23,955	24,670	25,553	26,333	28,569	33,014	32,535	Construction		
003	Ratio of paved road to total road length			Percent	24.4%	24.6%	23.0%	22.1%	20.4%	20.6%	20.9%	21.9%	21.5%	Ministry of Progress of Border		
004	Total length of expressways			Kilometer	-	-	-	-	-	324	587	587	587	Areas & National Races and		
В.	Road transport equipment															
005	Total number of registered road motor vehicles			Thousand	960	979	992	1,024	1,994	2,068	2,299	2,354	3,614			
006	Number of registered passenger cars			Thousand	186	193	200	214	230	243	260	263	282			
007	Number of taxis or taxicabs			Thousand	38	39	38	38	28	27	28	28	41	TPD		
														RTA		
800	Number of registered trucks			Thousand	53	54	55	57	59	60	64	67	71			
009	Total number of registered buses			Thousand	18	18	19	19	20	20	21	20	20	RTA		
010	Number of public buses			Thousand	15	15	16	17	29	25	28	27	23	TPD		
011	Total number of registered motorcycles			Thousand	638	640	646	655	1,609	1,674	1,881	1,934	3,153	RTA		
C.	Road transport measurement															
012	Total number of road passengers	\		Thousand					1,631,886	1,166,358	1,294,129	1,232,993	1,084,808	TPD + RT		
013	Number of taxi passengers (million)			Million	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
014	Number of public bus passengers	100		Thousand					1,647,623	1,150,006	1,303,175	1,238,726	1,056,338	TPD + RT		
	Road passenger-kilometer			Million					18,303	26,215	28,385	28,389		TPD + RT		
016	Total operational mileage of public			passenger-km Million												
	buses			kilometer Thousand					2,079	7,756	3,759	3,138	2,859			
	Freight			ton					22,733	30,474	20,664	22,532	25,528			
018	Freight-kilometer			Million ton- kilometer	393,597	421,198	448,693	478,848	1,128,224	2,320,487	2,206,485	2,897,187	3,854,383	TPD + RT		
D.	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies	/		Company					638	527	546	546	800	TPD + RT		
020	Number of domestic forwarders	,		Company					644	716	734	734	849	TPD		
021	Number of warehouse companies	*		Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Number of fixed route bus operators	\ /		Company					1,582	1,129	1,184	1,184	1,651	TPD		
023	Total number of new driving licenses			License	116,473	123,812	113,755	103,377	102,637	104,030	83,504	93,131	130,078	RTAD		
	issued for automobiles Total number of new licenses issued for															
024	motorcycles Total domestic freight volume by			License Thousand	261,635	156,727	167,569	121,418	297,913	224,319		129,228	1,449,972	RTAD		
025	road			tons					20,317	34,991	20,560	16,026	14,644	TPD		
026	Total domestic freight movement by road			Million tons- km	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
027	Total import cargo by road			Thousand ton					457	1,105	1,076	3,153	4,628	TPD		
028	Total export cargo by road			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
E.	Road traffic accident															
	Number of traffic accidents			Case/ Count	5,708	5,830	6,368	6,583	6,483	7,535	7,985	8,568	9,339	RTAD		
030	Number of traffic accident casualties			Count	1,298	1,308	1,394	1,527	1,778	1,845	2,264	2,495	2,653	RTAD		
	(dead) Number of traffic accident casualties															
031	(injuries)			Person	10,452	10,484	11,385	12,358	11,558	13,180	14,130	15,316	15,720	RTAD		



•	able 3.2.7 Road Transpor	t of Philippines	(2004 -	2012)						Cou	ntryAre	eaPhilip	pines	299,764	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	83.56	85.26	86.97	88.71	90.50	91.00	92.60	94.20	95.80	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.03%	2.01%	2.00%	2.02%	0.55%	1.76%	1.73%	1.70%			
m2	GDP per capita			USS	1,093	1,209	1,405	1,684	1,918	1,851	2,155	2,386	2,614	World Economic Outlook	IMF	
	Growth rate of GDP per capita			%	-	10.56%	16.24%	19.82%	13.93%	-3.48%	16.42%	10.70%	9.56%			
m3	Paved road length per 1000 square		(002) / Country	Kilometer				70.1	72.3	75.0	80.5	82.8	84.9			
m3a	Growth rate of Road length per 1000		area	/1000 Km2				70.1	3.19%	3.65%	7.38%	2.93%	2.45%			
m4	Square km		(005) /	Unit/1000	57.0	59.3	61.3	62.3	65.1	68.4	71.7	75.8	77.9			
	Number of vehicles per 1000 persons Growth rate of number of vehicles		m1	persons	57.0											
m4a	per 1000 persons Number of passenger cars per 1000	_10_1111-	(006) /	% Unit/1000		4.16%	3.30%	1.68%	4.42%	5.00%	4.83%	5.77%	2.79%			
m5	persons Growth rate of number of passenger		m1	persons	0.62	0.52	0.47	0.42	0.39	0.44	0.45	0.35	0.38			
m5a	car per 1000 persons		(044) (%		-15.79%	-9.85%	-9.98%	-7.98%	12.03%	3.15%	-22.37%	7.27%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	22	25	28	30	33	35	38	41	43			
m6a	Growth rate of motorbikes per 1000 persons			%		14.51%	9.44%	7.77%	10.42%	6.72%	6.90%	9.56%	4.31%			
m7	Number of registerd buses per 1000 persons	~~~	(009) / m1	Unit/1000 persons	0.42	0.36	0.33	0.34	0.33	0.25	0.38	0.36	0.35			
m7a	Growth rate of mumber of registered buses per 1000 persons			%		-13.19%	-8.29%	1.42%	-1.98%	-23.75%	49.26%	-4.32%	-1.67%			
m8	Road passenger-km/ Population	-	(015) / m1	Pax-km/pop.	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
m8a	Growth rate of Road passenger-km/ Population			%												
A.	Road infrastructure															
001	Total road length			Kilometer	30,324	28,952	29,209	29,370	29,650	29,898	31,242	31,359	31,598	DPWH Atlas	DPWH	nat'l & loc rds.
002	Length of paved road			Kilometer	,024	,001		21,006	21,677	22,469	24,127	24,834	25,443		DPWH	concrete & asp
	Ratio of paved road to total road													DPWH Atlas	DPWH	
003	length			Percent				72%	73%	75%	77%	79%	81%			
004	Total length of expressways			Kilometer	172	172	172	172	297	286	312	312	312	Proponent	TRB	
В.	Road transport equipment		I		I							ı				<u> </u>
005	Total number of registered road motor vehicles			Thousand	4,761	5,060	5,332	5,530	5,891	6,220	6,635	7,139	7,463	MV Reg./ Type/Mode	LTO	Land Transportation
006	Number of registered passenger cars	-		Thousand	52	45	41	38	35	40	42	33	36	MV Reg./ Type/Mode	LTO	
007	Number of taxis or taxicabs	-		Thousand	52	45	36	34	33	38	39	31	34	MV Reg./ Type/Mode	LTO	
800	Number of registered trucks			Thousand	268	267	286	281	296	312	318	329	342	MV Reg./ Type/Mode	LTO	
009	Total number of registered buses			Thousand	35	31	29	30	30	23	35	34	34	MV Reg./ Type/Mode	LTO	
010	Number of public buses	\		Thousand	29	26	22	23	23	26	23	25	27	MV Reg./ Type/Mode	LTO	
011	Total number of registered motorcycles			Thousand	1,847	2,158	2,409	2,648	2,983	3,201	3,482	3,881	4,117	MV Reg./ Type/Mode	LTO	
C.	Road transport measurement													.,,,		
012	Total number of road passengers			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
013	Number of taxi passengers (million)			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
				Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
				Million												
	Road passenger-kilometer Total operational mileage of public			passenger-km Million	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
016	buses			kilometer Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
017	Freight			ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
018	Freight-kilometer			Thousand ton -	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
D.	Others (enterprises, logistics & ec	onomic performance)												Company		
019	Number of trucking companies			Company	12,123	12,165	11,550	11,302	14,508	14,139	13,737	14,288	15,631	Comparative Report/Type of Applicn	LTFRB	
020	Number of domestic forwarders			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
021	Number of warehouse companies			Company	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
022	Number of fixed route bus operators			Company	6,684	7,031	7,354	7,293	-	8,131	8,037	8,090	8,077	Comparative Report/Type of Applon	LFTRB	
023	Total number of new driving licenses issued for automobiles			Thousand	3,284	3,548	3,712	3,973	4,184	3,887	4,266	4,494	4,553	Statiscal Annual Report	LTO	
024	Total number of new licenses issued for motorcycles			License	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
025	Total domestic freight volume by			Thousand	N/COL	N/COL	N/COL	N/COL	N/COL	N/COL	N/COL	N/COL	N/COL			
026	Total domestic freight movement by			ton Million ton-	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	road			kilometer Thousand												
027	Total import cargo by road			ton Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
028	Total export cargo by road			ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
E.	Road traffic accident															
029	Number of traffic accidents	<u> </u>		Cases	14,202	11,425	15,064	11,532	14,794	20,008	18,810	14,755	9,740	Annual Accident Report	TMG	
	Number of traffic accident casualties			Person	879	593	712	718	508	1,117	1,262	1,399	1,129	Annual Accident Report	TMG	
030	(dead) Number of traffic accident casualties	——												.,		





Table 3.2.8	Road Tran	enort of	Singapore	(2004 - 1	2012\
Table J.Z.U	noau man	Sportor	Jiliyapore	(2007 - 4	2012)

Ta	ble 3.2.8 Road Transport	of Singapore (2	2004 - 20	012)						Co	ountryA	reaSino	apore	710	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	4.27	4.40	4.59	4.84	4.99	5.08	5.18	5.31	5.41	World Economic Outlook	IMF	
m1a	Population growth rate			%		3.16%	4.27%	5.45%	3.08%	1.78%	2.11%	2.47%	1.75%	Custok		\vdash
m2	GDP per capita			uss	26,419	28,498	31,739	36,754	38,213	37,195	44,697	50,000	51,162	World Economic Outlook	IMF	\vdash
					20,415	-								Outlook	IIVII	\vdash
m2a	Growth rate of GDP per capita Paved road length per 1000 square		(002) /	% Kilometer		7.87%	11.37%	15.80%	3.97%	-2.66%	20.17%	11.86%	2.32%			
m3	km Growth rate of Road length per 1000		(002) / Country area	/1000 Km2	4,490.1	4,554.9	4,594.4	4,643.7	4,683.1	4,726.8	4,756.3	4,805.6	4,825.4			\vdash
m3a	square km	<u> Illilalala</u>		%		1.44%	0.87%	1.07%	0.85%	0.93%	0.63%	1.04%	0.41%			
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	170.4	171.6	174.1	175.9	179.4	182.4	182.5	180.2	179.5			
m4a	Growth rate of number of vehicles per 1000 persons			%		0.67%	1.49%	1.01%	2.03%	1.65%	0.05%	-1.27%	-0.39%			
m5	Number of passenger cars per 1000 persons		(006) / m1	Unit/1000 persons	98.22	100.20	103.51	106.84	110.87	114.04	115.35	114.08	114.71			
m5a	Growth rate of number of passenger car per 1000 persons			%		2.02%	3.30%	3.22%	3.77%	2.87%	1.15%	-1.10%	0.55%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	32	32	31	30	29	29	29	28	27			
m6a	Growth rate of motorbikes per 1000 persons			%		-1.65%	-1.34%	-4.50%	-1.64%	-1.08%	-1.40%	-3.07%	-3.73%			
m7	Number of registerd buses per 1000 persons	~~~	(009) / m1	Unit/1000 persons	3.05	2.95	3.05	3.10	3.01	3.15	3.09	3.20	3.15			
m7a	Growth rate of mumber of registered buses per 1000 persons	<u></u>		%		-3.07%	3.28%	1.61%	-2.99%	4.80%	-2.06%	3.69%	-1.72%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.		1,232	1,209	1,164	1,196	1,135	1,094.7	1,051.6	1,043			\vdash
m8a	Growth rate of Road passenger-km/			%			-1.87%	-3.70%	2.70%	-5.08%	-3.54%	-3.94%	-0.82%			\vdash
	Population Road infrastructure			,,			1.07 70	0.1.070	2070	0.0070	0.0170	0.0170	0.0270			
					0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.440	0.400	"Land Transport	LTA	P142
001	Total road length			kilometer	3,190	3,230	3,260	3,300	3,330	3,360	3,380	3,410	3,430	Statistics in Brief*	LIA	
002	Length of paved road Ratio of paved road to total road	- The second second		Kilometer	3,188	3,234	3,262	3,297	3,325	3,356	3,377	3,412	3,426			P143
003	length	<u> </u>		Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%			P144
004	Total length of expressways			Kilometer	150	150	150	153	161	161	161	161	161			P145
В.	Road transport equipment										•					
005	Total number of registered road motor vehicles			Thousand	727	755	799	851	895	926	946	957	970	Land Transport Authority (www.lta.gov.sg)	LTA	P135
006	Number of registered passenger cars			Thousand	419	441	475	517	553	579	598	606	620	Land Transport Authority	LTA	P135
007	Number of taxis or taxicabs			Thousand	20	22	23	24	24	25	26	27	28	Land Transport Authority	LTA	P52
800	Number of registered trucks			Thousand	137	139	144	151	156	158	158	160	160	Land Transport Authority	LTA	P135
009	Total number of registered buses			Thousand	13	13	14	15	15	16	16	17	17	Land Transport Authority	LTA	P135
010	Number of public buses			Thousand	4	4	4	4	4	4	4	4	4	Land Transport Authority	LTA	P31
011	Total number of registered motorcycles			Thousand	137	139	143	144	146	147	148	147	144	Land Transport Authority	LTA	P31
C.	Road transport measurement															
012	Total number of road passengers	\ \	Daily car, motorcycle, taxi bus	Thousand	7,097	N/Col	N/Col	N/Col	8,296	N/Col	N/Col	N/Col	N/Col			P64
013	Number of taxi passengers (million)		Average daily taxi ridership (by financial year,	Thousand	852	980	946	944	909	860	912	933	967	Land Transport Authority	LTA	P52
014	Number of public bus passengers	1	Apr - Mar) Average daily bus ridership (by financial year, Apr -	Thousand	2,805	2,779	2,833	2,932	3,087	3,047	3,199	3,385	3,481	Land Transport Authority	LTA	P64
	Road passenger-kilometer	7	Mar)	Million	N/Col.	5,422	5,548	5,634	5,964	5,762	5,675	5,586	5,637	Land Transport Authority	LTA	P68
	Total operational mileage of public		Annual public bus passenger-km	passenger-km Million										Authority	EIA	P70
016	buses		Annual vehicle-km	kilometer Thousand	300	300	304	308	303	310	307	299	299			
017	Freight			ton Thousand ton-	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			P60
018	Freight-kilometer			kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			P62
	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies			Company	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
020	Number of domestic forwarders			Company	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
021	Number of warehouse companies			Company	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
022	Number of fixed route bus operators			Company	2	2	2	2	2	2	2	2				
023	Total number of new driving licenses issued for automobiles			License	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Ministry of Home Affairs (Traffic Police)		
024	Total number of new licenses issued for motorcycles			License	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Ministry of Home Affairs (Traffic Police)		
025	Total domestic freight volume by road			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			P17
026	Total domestic freight movement by road			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			P19
027	Total import cargo by road			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
028	Total export cargo by road			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Road traffic accident			ton												
	Number of traffic accidents			Case/ Count	6,845	6,705	7,499	8,325	8,590	8,505	8,622	7,925	7,168	Traffic Police Annual *1	SPF	P152
030	Number of traffic accident casualties (dead)			Count	193	173	190	214	221	183	195	197	169	Traffic Police Annual *1	SPF	P31-33
031	Number of traffic accident casualties (injuries)	-		Person	8,439	8,226	9,706	10,352	10,760	10,748	11,065	9,760	9,073	Traffic Police Annual *1	SPF	
*1	Road Traffic Situation (http://www.spf.gov.sg/prints/	tp_annual/2011/index_tp_11.htm)	and (http://www	spf.gov.sg/stats/traf	2012_increase	e.htm)										



Table 3.2.9 Road Transport of Thailand (2004 - 2012)

7	Table 3.2.9 Road Transpo	rt of Thailand (2	004 - 2	012)							Countr	·AroaTh	ailand	513,120	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	61.97	62.42	62.83	63.04	63.39	63.53	63.88	64.08	64.46	World Economic Outlook	IMF	
m1a	Population growth rate	Il.i.i.i		%		0.73%	0.66%	0.33%	0.56%	0.22%	0.55%	0.31%	0.59%			
m2	GDP per capita			uss	2,603	2,825	3,296	3,918	4,300	4,151	4,992	5,395	5,678	World Economic Outlook	IMF	
					2,000									Outlook	11411	
	Growth rate of GDP per capita Paved road length per 1000 square	<u>alla_la_</u>	(002) /	% Kilometer		8.53%	16.66%	18.86%	9.75%	-3.46%	20.24%	8.08%	5.26%			
m3	km Growth rate of Road length per 1000		Country area	/1000 Km2	328.5	329.8	339.6	341.9	344.7	346.9	360.9	363.5	364.8			
m3a	square km			%		0.37%	2.99%	0.68%	0.82%	0.63%	4.03%	0.72%	0.38%			
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	320	348	381	392	402	413	431	456	488			
m4a	Growth rate of number of vehicles per 1000 persons			%		8.87%	9.54%	2.91%	2.56%	2.70%	4.27%	5.75%	7.02%			
m5	Number of passenger cars per 1000 persons		(006) / m1	Unit/1000 persons	105	113	127	134	140	146	155	167	183			
m5a	Growth rate of number of passenger car per 1000 persons			%		7.98%	12.72%	5.03%	4.51%	4.57%	6.18%	7.37%	10.17%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	214	233	252	256	259	263	271	284	297			
m6a	Growth rate of motorbikes per 1000			%		9.35%	7.73%	1.81%	1.33%	1.48%	2.98%	4.59%	4.85%			
	persons Number of registerd buses per 1000		(009) /	Unit/1000	1 72					2.01						
m7	persons Growth rate of mumber of registered		m1 ′	persons	1.73	1.73	1.81	1.92	1.97		2.07	2.11	2.13			
m7a	buses per 1000 persons	_1111111_	(015) /	%		0.21%	4.87%	5.79%	2.74%	2.17%	2.56%	1.95%	1.33%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.	6,751	6,416	6,532	6,687	6,660	6,948	6,917	7,808	8,508			
m8a	Growth rate of Road passenger-km/ Population		l.	%		-4.96%	1.80%	2.37%	-0.39%	4.32%	-0.45%	12.88%	8.98%			
A.	Road infrastructure															
001	Total road length			kilometer	215,876	216,048	222,743	223,564	223,859	224,493	229,435	230,926	231,620	Transport Statistics	DOH, DRR, BMA, EXAT	
002	Length of paved road			kilometer	168,583	169,202	174,264	175,442	176,875	177,996	185,168	186,503	187,207	Transport Statistics	DOH, DRR, BMA, EXAT	
003	Ratio of paved road to total road			Percent	78%	78%	78%	78%	79%	79%	81%	81%	81%		DOH, DRR, BMA, EXAT	
004	Total length of expressways			Kilometer	171	171	171	198	198	208	208	208	208	Transport Statistics	EXAT	
	Road transport equipment													Statistics		
	Total number of registered road		Τ		40.045	04 700	20.050	04.700	05.540	00.050	07.500	00.005	04.440	Transport	DIT	
005	motor vehicles			Thousand	19,815	21,729	23,958	24,738	25,512	26,258	27,530	29,205	31,440	Transport Statistics	DLT	
006	Number of registered passenger cars			Thousand	6,480	7,048	7,997	8,427	8,856	9,281	9,909	10,673	11,828	Transport Statistics	DLT	
007	Number of taxis or taxicabs			Thousand	101	111	114	112	114	120	125	130	136	Transport Statistics	DLT	
800	Number of registered trucks			Thousand	685	716	719	748	772	791	817	853	898	Transport Statistics	DLT	
009	Total number of registered buses			Thousand	107	108	114	121	125	128	132	135	138	Transport Statistics	DLT	
010	Number of public buses			Thousand	76	75	79	82	84	85	88	89	89	Transport Statistics	DLT	
011	Total number of registered motorcycles			Thousand	13,232	14,574	15,803	16,143	16,449	16,729	17,323	18,175	19,169	Transport Statistics	DLT	
C.	Road transport measurement															
012	Total number of road passengers			Thousand	N/Col											
013	Number of taxi passengers (million)															
				Thousand	N/Col	Transport										
	Number of public bus passengers			Thousand Million	1,067,493	1,012,586		1,106,344	1,036,007	833,098	823,427	786,311	759,378	Statistics	DLT, BMTA	
015	Road passenger-kilometer			passenger-km	418,349	400,485	410,384	421,517	422,190	441,420	441,843	500,313	548,453		DOH	
016	Total operational mileage of public buses			Million kilometer	173	178	175	174	171	164	424	413	408		TCL, BMTA	
017	Freight			Thousand ton	435,147	430,275	427,581	428,123	424,456	423,677	420,449	406,538	425,804	Transport Statistics		
018	Freight-kilometer			Thousand ton- kilometer	175,962	175,163	184,006	186,174	181,452	183,429	185,883	184,481	187,583	Transport Statistics		
D.	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies	,		Company	N/Col	N/Col	6,836	7,958	9,174	10,021	11,433	12,771	14,602		DLT	
020	Number of domestic forwarders	=		Company	5,274	5,369	5,456	5,445	5,366	5,179	5,190	4,380	4,092	Business Registrations	DBD	
021	Number of warehouse companies			Company	657	666	692	668	664	652	643	610	599	Statistic Business	DBD	
	-													Registrations Statistic		
022	Number of fixed route bus operators Total number of new driving licenses			Company	N/Col	N/Col	1,295	1,411	1,427	1,445	1,389	1,458	1,472		DLT	
023	issued for automobiles	7		License	1,191,864		1,329,125		1,312,518			1,535,191	1,627,897		DLT	*1
024	Total number of new licenses issued for motorcycles	-		License	2,086,685	2,004,028	1,890,509	1,480,311	1,270,056	1,249,352	1,357,074	1,389,281	1,228,711		DLT	*1
025	Total domestic freight volume by road			Thousand ton	435,147	430,275	427,581	428,123	424,456	423,677	420,449	406,538	425,804	Transport Statistics		
026	Total domestic freight movement by road			Million ton- kilometer	175,962	175,163	183,942	185,009	181,346	179,009	185,883	184,481	187,583	Transport Statistics		
027	Total import cargo by road			Thousand ton	3,261	3,428	3,218	3,417	7,737	12,142	12,730	12,690	12,194	Transport Statistics	Customs	
028	Total export cargo by road			Thousand	7,096	8,608	8,170	7,751	8,372	9,122	10,182	10,779	12,380	Transport Statistics	Customs	
E.	Road traffic accident			ton												
	Number of traffic accidents	-		Case/ Count	124,530	122,040	98,683	99,999	87,625	93,923	83,336	96,781	61,194	Transport	RTP	
	Number of traffic accidents Number of traffic accident casualties	7												Statistics Transport		
030	(dead) Number of traffic accident casualties	-		Count	13,766	12,858	5,499	5,759	4,416	5,722	7,996	9,496	8,745	Statistics	RTP	
031	(injuries)	ansnort Personnel Lisans- In	Thailand	Person	94,164	95,364	16,252	19,703	15,832	16,404	18,667	22,346	22,344	Statistics	RTP	
*1	Cumulative Number of Driving Licence and Tra	ansport Personnel Licence in	ınaıland													

Table 3.2.10 F	20ad Traneno	rt of Viet	Nam /20	104 - 2012)

Та	ble 3.2.10 Road Transport of Viet Nam (2004 - 2012)										CountryAreaVietnam 331,690 km2 (ASEAN-1-Correspondence)					(ASEAN-Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	82.03	83.11	84.16	85.16	86.18	87.21	88.26	89.32	90.39	World Economic Outlook	IMF	
m1a	Population growth rate			%	02.00	1.31%	1.26%	1.19%	1.20%	1.20%	1.20%	1.20%	1.20%	Outlook		
				uss	FF.4									World Economic	15.45	
m2	GDP per capita				554	637	724	835	1,048	1,068	1,174	1,374	1,528	Outlook	IMF	
m2a	Growth rate of GDP per capita Paved road length per 1000 square		(002) /	% Kilometer		14.95%	13.68%	15.34%	25.48%	1.95%	9.85%	17.08%	11.17%			
m3	km		Country area	/1000 Km2	416.0		492.2		463.6	567.0	573.3	596.0	651.2			
m3a	Growth rate of Road length per 1000 square km		(005) (%						22.31%	1.10%	3.96%	9.27%			
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	6.5	7.2	7.8	9.2	11.0	13.0	14.4	16.4	17.6			
m4a	Growth rate of number of vehicles per 1000 persons	<u>- </u>		%		11.70%	7.61%	18.56%	18.90%	18.74%	10.62%	13.47%	7.39%			
m5	Number of passenger cars per 1000 persons		(006) / m1	Unit/1000 persons	2.22	2.51	2.84	3.53	4.46	5.55	6.31	7.52	8.04			
m5a	Growth rate of number of passenger car per 1000 persons			%		13.35%	12.93%	24.46%	26.06%	24.55%	13.72%	19.22%	6.90%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	163	194	219	252	293	323	353	378	408			
m6a	Growth rate of motorbikes per 1000 persons			%		18.71%	12.99%	15.05%	16.55%	10.24%	9.19%	7.12%	7.94%			
m7	Number of registerd buses per 1000 persons		(009) / m1	Unit/1000 persons	0.89	0.96	0.96	1.05	1.13	1.19	1.11	1.21	1.31			
m7a	Growth rate of mumber of registered buses per 1000 persons	A BROWN		%		8.17%	-0.01%	8.59%	7.70%	5.95%	-6.89%	8.90%	7.96%			
m8	Road passenger-km/ Population	-	(015) / m1	Pax-km/pop.	0.42	0.46	0.52	0.58	0.63	0.71	0.78	0.88	1.01			
m8a	Growth rate of Road passenger-km/ Population		ļ	%		11.08%	11.54%	11.97%	8.42%	12.12%	11.19%	12.38%	15.14%			
Α.	Road infrastructure															
001	Total road length	\\/		kilometer	238,000	N/Col	269,900	N/Col	287,700	290,700	295,100	300,848	326,000	Regulatory administrative	DR	
002	Length of paved road	× × ×		kilometer	137,969	N/Col	163,255	N/Col	153,771	188,083	190,150	197,682	216,000	Regulatory administrative	DR	
003	Ratio of paved road to total road			Percent	58%		60%		53%	65%	64%	66%	66%	Regulatory administrative reporting system	DR	
004	length Total length of expressways			Kilometer	0	0	0	0	0	50	50	N/App	120	reporting system	DR	
	Road transport equipment															
005	Total number of registered road		Ι	Thousand	532	602	656	787	947	1,138	1,274	1,463	1,590		VR	
006	motor vehicles Number of registered passenger cars			Thousand	182	209	239	301	384	484	557	672	727		VR	
007	Number of taxis or taxicabs			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	56.0	54.8	56.4		VR	
008	Number of registered trucks			Thousand	195	226	255	317	398	476	552	597	651		VR	
009	Total number of registered buses			Thousand	73.0	80.0	81.0	89.0	97.0	104	98.0	108	118		VR	
010	Number of public buses			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	86.0	70.7	78.5		VR	
010	Total number of registered			Thousand	13,375	16,086	18,406	21,428	25,273	28,195	31,155	33,774	36,894		MPS	
	motorcycles Road transport measurement			Thousand	10,070	10,000	10,400	21,420	20,270	20,133	31,100	33,774	30,034		0	
012	•		Ι	Thousand	1,042	1,173	1,332	1,473	1,629	1,761	2,011	2,327	2,647	Regulatory administrative	GSO	1
	Total number of road passengers													reporting system	430	
013	Number of taxi passengers (million)			Thousand	N/Col	N/Col	N/Col									
	Number of public bus passengers			Thousand Million	N/Col	N/Col	N/Col	Regulatory	000							
	Road passenger-kilometer Total operational mileage of public			passenger-km Million	34.3	38.6	43.6	49.4	54.2	61.5	69.2	78.7	91.7	administrative reporting system	GSO	
016	buses			kilometer Thousand	N/Col	N/Col	N/Col	Regulatory administrative	00-							
	Freight			ton Thousand ton-	265	298	339	403	456	514	587	664	735	Regulatory	GSO	
018	Freight-kilometer			kilometer	14.9	17.7	20.5	24.6	28.0	31.6	36.2	40.2	38.6	administrative reporting system	GSO	
	Others (enterprises, logistics & ed	onomic performance)	T	I						I				l		Г
	Number of trucking companies			Company	N/Col	N/Col	N/Col		DR							
020	Number of domestic forwarders			Company	N/Col	N/Col	N/Col		DR							
021	Number of warehouse companies			Company	N/Col	N/Col	N/Col	Regulatory	DR							
022	Number of fixed route bus operators	4.7		Company	N/Col	N/Col	N/Col	administrative reporting system	DR							
023	Total number of new driving licenses issued for automobiles	~~~		License	172,595		21,956	24,797	25,331	332,551	455,155	N/App	496,755	Regulatory administrative reporting system Regulatory	DR	
024	Total number of new licenses issued for motorcycles			License	3,362,285	3,025,692	1,961,576	2,012,618	1,991,986	2,021,667	1,830,059	N/App	1,924,493	administrative reporting system	DR	
025	Total domestic freight volume by road			Thousand ton	N/App	N/App	N/App		DR							
026	Total domestic freight movement by road			Million ton- kilometer	N/App	N/App	N/App		DR							
027	Total import cargo by road			Thousand ton	N/App	N/App	N/App		DR							
028	Total export cargo by road			Thousand ton	N/App	N/App	N/App		DR							
E.	Road traffic accident													D- ::		
029	Number of traffic accidents	-		Case/ Count	17,663	14,711	14,727	14,504	12,635	12,492	13,713	14,026	10,819	Regulatory administrative reporting system	DR	
030	Number of traffic accident casualties (dead)			Count	27,647	23,547	24,045	23,610	19,513	19,430	22,082	22,006	9,540	Regulatory administrative reporting system	DR	
031	Number of traffic accident casualties (injuries)			Person									7,723		DR	



Table 3.2.11 Road Transport of Japan (2004 - 2012)

Table 3.2.11 Road Transport of Japan (2004 - 2012) CountryAreaJapan 377,835 k												km2	(ASEAN-Japan Center)			
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	127.75	127.78	127.85	127.98	128.07	128.05	128.05	127.90	127.61	World Economic Outlook	IMF	
m1a	Population growth rate	-1-		%		0.02%	0.06%	0.10%	0.06%	-0.01%	0.00%	-0.12%	-0.22%			
m2	GDP per capita			US\$	36,444	35,781	34,077	34,038	37,865	39,321	42,917	46,108	46,736	World Economic	IMF	
m2a	Growth rate of GDP per capita			%	00,111	-1.82%	-4.76%	-0.11%	11.24%	3.85%	9.14%	7.44%	1.36%	Outlook		
	Paved road length per 1000 square		(002)/										1.30%			
m3	km Growth rate of Road length per 1000		Country area	Kilometer /1000 Km2	2,471.1	2,494.2	2,511.9	2,529.2	2,544.4	2,561.0	2,575.8	2,588.7				
m3a	square km		(005) (%		0.94%	0.71%	0.69%	0.60%	0.65%	0.58%	0.50%				
m4	Number of vehicles per 1000 persons		(005) / m1	Unit/1000 persons	612.7	618.2	619.8	617.9	615.3	614.5	614.3	618.6	624.0			
m4a	Growth rate of number of vehicles per 1000 persons			%		0.89%	0.25%	-0.30%	-0.42%	-0.13%	-0.04%	0.69%	0.87%			
m5	Number of passenger cars per 1000 persons		(006) / m1	Unit/1000 persons	334.84	334.55	330.30	324.02	318.58	315.64	313.44	313.87	313.52			
m5a	Growth rate of number of passenger car per 1000 persons			%		-0.09%	-1.27%	-1.90%	-1.68%	-0.92%	-0.70%	0.14%	-0.11%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	104	103	102	101	100	99	97	95	94			
m6a	Growth rate of motorbikes per 1000 persons			%		-0.67%	-0.93%	-1.06%	-1.21%	-0.87%	-1.56%	-2.06%	-1.59%			
m7	Number of registerd buses per 1000		(009) /	Unit/1000	1.82	1.82	1.81	1.80	1.80	1.78	1.77	1.77	1.77			
	persons Growth rate of mumber of registered		m1	persons %	1.02	-0.02%	-0.06%	-0.53%	-0.50%	-0.86%	-0.51%	-0.25%	0.22%			
m7a	buses per 1000 persons		(015) /	-	05:											-
m8	Road passenger-km/ Population Growth rate of Road passenger-km/		m1	Pax-km/pop.	651	659	658	649	655	635	607	578	593			
m8a	Population			%		1.32%	-0.29%	-1.28%	0.84%	-2.94%	-4.52%	-4.73%	2.60%			
A.	Road infrastructure															
001	Total road length	Market Ma		Kilometer	1,187,638	1,192,972	1,197,008	1,200,890	1,203,776	1,207,867	1,210,252	1,212,664		Website of MLIT-Japan	RB	*1
002	Length of paved road			Kilometer	933,673	942,407	949,069	955,613	961,365	967,653	973,234	978,093		Website of MLIT-Japan	RB	*1
003	Ratio of paved road to total road length			Percent	79%	79%	79%	80%	80%	80%	80%	81%		Website of MLIT-Japan	RB	*1
004	Total length of expressways	· · · · · · · · · · · · · · · · · · ·		Kilometer	7,296	7,383	7,392	7,431	7,560	7,642	7,803	7,920		Website of MLIT-Japan	RB	*1
В.	Road transport equipment															
005	Total number of registered road			Thousand	78,279	78,992	79,236	79,081	78,801	78,693	78,661	79,113	79,625	Website of	RTB	*2
006	motor vehicles				·		42,229	-	40,799		40,135	·	40,009	MLIT-Japan Website of	RTB	*2
	Number of registered passenger cars			Thousand	42,776	42,747	·	41,469		40,418		40,143		MLIT-Japan		
007	Number of taxis or taxicabs	-		Thousand	271	273	274	274	271	265	251	246	245	Website of Federation of Taxi - Hire Association	FTHA	*3
800	Number of registered trucks			Thousand	7,280	7,160	7,014	6,884	6,567	6,362	6,215	6,136	6,068	Website of MLIT-Japan	RTB	*4
009	Total number of registered buses			Thousand	232	232	232	231	230	228	227	226	226	Website of MLIT-Japan	RTB	*4
010	Number of public buses			Thousand	103	105	106	107	108	108	108	108	109	Website of MLIT-Japan	RTB	*5
011	Total number of registered motorcycles			Thousand	13,261	13,175	13,060	12,935	12,787	12,675	12,477	12,206	11,985	Website of JAMA	JAMA	
C.	Road transport measurement															
012	Total number of road passengers			Thousand	6,869,903	6,762,778	6,746,618	6,697,498	6,631,993	6,424,629	6,241,395	6,073,486	6,076,806	Website of MLIT-Japan	RTB	*6
013	Number of taxi passengers (million)			Million	2244	2217	2209	2137	2024	1948	1783	1660		Yearly Automobile handbook 2004~2010	RTB	*7
	Number of public bus passengers	1		Thousand	4,626,048	4.545.417	4,537,685		4,607,180	4,476,304	4,458,229	4,413,757	4,437,253	Website of	RTB	*6
	Road passenger-kilometer			Million	83,151	84,266	84,075	83,082	83,831	81,360	77,677	73,916	75,668	MLIT-Japan Website of	RTB	*8
	Total operational mileage of public			passenger-km Million									75,000	MLIT-Japan		*9
016	buses			kilometer Thousand	4,727	4,703	4,711	4,732	4,743	4,720	4,686	4,562		Website of MLIT-Japan	RTB	
017	Freight			ton	4,953,251	4,842,232	4,837,022	4,811,887	4,600,752	4,339,538	4,480,195	4,496,954	4,365,927	Website of MLIT-Japan	RTB	*10
018	Freight-kilometer	-		Million ton- kilometer	326,215	333,524	345,035	353,320	344,939	333,181	254,079	233,956	209,956	Website of MLIT-Japan	RTB	*11
D.	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies			Company	61,041	62,056	62,567	63,122	62,892	62,712	62,988	63,083	62,910	Website of MLIT-Japan	TRSO	*12
020	Number of domestic forwarders	-		Company	22,591	22,844	23,382	23,913	24,442	24,447	24,830	24,979		Website of MLIT-Japan	MLIT	*13
021	Number of warehouse companies	/		Company	N/Cont	3,961	4,026	4,132	4,223	4,453	4,555	4,637	4,725	Yearly Frieght handbook	MLIT	P116
022	Number of fixed route bus operators	,,,,,,,,,,	data at every March	Company	511	516	513	1,087	1,185	1,347	1,453	1,640	1,836	Yearly Automobile	RTB	P28 *14
023	Total number of new driving licenses			License	1,497,948		1,399,487	1,366,921	1,261,700	1,230,134	1,238,806	1,211,478	1,265,741	Driving License Statistics	NPA	*15
024	issued for automobiles Total number of new licenses issued for	-		License	319,369	304,842	274.842	264,724	236,355	226,844	215,041	199,945	188,362	Driving License	NPA	*16
	motorcycles Total domestic freight volume by			Thousand		·	,-					·		Statistics Website of		
025	road Total domestic freight movement by			tons Million tons-	5,075,877	4,965,874	4,961,325	4,932,539	4,718,318	4,454,000	4,480,195	4,496,954	4,365,927	MLIT-Japan	TRSO	*17
026	road	<u></u>		km	327,632	334,979	346,534	354,800	346,420	334,667	254,079	254,000	209,956	Transport Economical Statistics Mannual		*18
027	Total import cargo by road			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
028	Total export cargo by road			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E.	Road traffic accident															
029	Number of traffic accidents			Person	952,191	933,828	886,864	832,454	766,147	737,474	725,773	691,937	665,138	Website of MLIT-Japan	TRSO	*19
030	Number of traffic accident casualties (dead)	-		Person	7,358	6,871	6,352	5,744	5,155	4,914	4,863	4,612	4,411	Website of MLIT-Japan	TRSO	*20
031	Number of traffic accident casualties			Person	1,183,120	1,156,633	1,098,199	1,034,445	945,504	911,108	896,208	854,493	825,396	141.1 11. 4	TRSO	*19
*1	(injuries) http://www.mlit.go.jp/road/ir/ir-data/tokei-nen/index.html http://www.mlit.go.jp/k-toukei/06/monthly/06b0excel.html			lit.go.jp/k-toukei/06/mo lit.go.jp/k-toukei/06/an	onthly/S3.xls		*11	http://www.mlit.	go.jp/k-toukei/0 sective of Autom	6/monthly/index	.pdf (* Page.4)		http://www.npa	.go.jp/toukei/menk lit.go.jp/k-toukei/0		
*3	"Numeric Perspective of Automobile" Page50 (until 2012) http://www.mlit.go.jp/k-toukei/06/monthly/06b0excel.html	*8	Page.11 http "Numeric Per	://www.mlit.go.jp/k-to spective of Automobil	ukei/06/annual/ii e" Page.31+P.32		*13 *14	http://www.mlit. Data at end of fi	go.jp/common/0 March of every y	000139704.pdf ear		*18 *19	Yearly Autom	obile handbook 20 go.jp/8G1/estat/ List.d	09Page 19 27lid=000001105450	(*2012 Page.2)
5	reirCePraspective of Automobiles Page69 (until 2012) 19 pag. 11 http://www.milt.go.ju/common000139764.pdf 13 http://www.milt.go.ju/common00139764.pdf 13 http://www.m												.01105450			



	Table 3.2.12 Road Transp	ort of ASEAN (2	004 - 2	2012)							Co	untryArea	ASEAN	4,482,756	km2	(ASEAN- Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admini strative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous		<u> </u>								<u>'</u>					
m1	Population			Million	549.9	558.4	566.8	575.0	583.4	590.5	598.9	607.1	615.7	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.55%	1.51%	1.44%	1.46%	1.22%	1.42%	1.37%	1.41%			
m2	GDP per capita			uss	1,489	1,643	1,940	2,290	2,623	2,570	3,149	3,594	3,746	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		10.37%	18.07%	18.00%	14.58%	-2.05%	22.56%	14.12%	4.22%			
m3	Paved road length per 1000 square		(002) / Country	Kilometer /1000 Km2	135	109	146	126	161	178	185	194	202			*
m3a	Growth rate of Road length per 1000		area	%		-19.44%	33.94%	-13.90%	28.09%	10.62%	3.90%	4.67%	4.28%			
m4	Square km		(005) /	Unit/1000	130.3	147.3	161.6	183.6	199.0	210.5	229.0	246.4	265.9			
	Number of vehicles per 1000 persons Growth rate of number of vehicles		m1	persons %	130.3	13.03%	9.70%	13.60%	8.41%	5.81%	8.78%	7.60%	7.90%			
m4a	per 1000 persons Number of passenger cars per 1000		(006) /	Unit/1000	20.0											
m5	persons Growth rate of number of passenger		m1	persons	32.9	36.0	39.8	42.6	45.0	47.1	50.2	53.2	56.8			
m5a	car per 1000 persons		(011) /	%		9.49%	10.63%	6.96%	5.66%	4.52%	6.76%	5.90%	6.72%			
m6	Number of motorbikes per 1000 persons		(011) / m1	Unit/1000 persons	107.5	124.4	137.4	159.2	177.3	190.8	209.6	226.9	246.4			*
m6a	Growth rate of motorbikes per 1000 persons	Halla_a_a		%		15.79%	10.39%	15.93%	11.36%	7.58%	9.90%	8.25%	8.56%			
m7	Number of registerd buses per 1000 persons		(009) / m1	Unit/1000 persons	2.24	2.53	2.94	3.62	4.16	4.30	4.42	4.39	4.40			*
m7a	Growth rate of mumber of registered buses per 1000 persons			%		13.18%	15.94%	23.42%	14.68%	3.44%	2.81%	-0.59%	0.20%			
m8	Road passenger-km/ Population		(015) / m1	Pax-km/pop.	764	730	737	747	769	805	799	884	1,011			*
m8a	Growth rate of Road passenger-km/ Population			%		-4.44%	0.99%	1.29%	2.99%	4.74%	-0.80%	10.64%	14.32%			
Α.	Road infrastructure															
001	Total road length			Kilometer	1,066,539	857,255	1,183,258	952,242	1,271,105	1,357,632	1,405,986	1,459,961	1,528,759			
002	Length of paved road	~~		Kilometer	606,444	488,542	654,370	563,425	721,699	798,378	829,485	868,224	905,403			
003	Ratio of paved road to total road	~~		Percent	56.9%	57.0%	55.3%	59.2%	56.8%	58.8%	59.0%	59.5%	59.2%			
	length															
004	Total length of expressways			Kilometer	2,570	2,736	2,736	2,769	2,904	3,345	3,714	3,771	3,963			
	Road transport equipment Total number of registered road			I											1	
005	motor vehicles			Thousand	71,656	82,245	91,584	105,534	116,084	124,323	137,163	149,610	163,711			
006	Number of registered passenger cars			Thousand	18,087	20,110	22,583	24,502	26,267	27,788	30,089	32,301	34,957			
007	Number of taxis or taxicabs			Thousand	272	283	281	280	327	342	416	418	451			
800	Number of registered trucks			Thousand	4,443	5,100	5,721	6,688	7,073	7,264	7,597	8,002	8,478			
009	Total number of registered buses			Thousand	1,231	1,414	1,664	2,084	2,425	2,539	2,647	2,668	2,711			
010	Number of public buses			Thousand	144	140	141	147	161	160	251	239	243			
011	Total number of registered motorcycles			Thousand	59,091	69,481	77,858	91,559	103,446	112,642	125,552	137,775	151,687			
C.	Road transport measurement															
012	Total number of road passengers	/		Thousand	42,421	36,040	37,872	39,783	1,679,428	1,207,081	1,341,412	1,276,689	1135062			
013	Number of taxi passengers (million)	7		Million	852	980	946	944	909	860	912	933	967			
	Number of public bus passengers			Thousand								2,070,757				
				Million		407,622	417,845			475,625	478,528	536,725	622,239			
	Road passenger-kilometer Total operational mileage of public			passenger-km Million	420,045			429,314	448,624							
016	buses			kilometer Thousand	473	478	479	482	2,553	8,230	4,490	3,850	3,566			
	Freight	~ / V		ton Million ton-	437,852	433,102	430,629	431,848	451,304	458,372						
018	Freight-kilometer			kilometer	827,774	856,279	898,990	942,180	1,596,371	2,800,123	2,775,419	3,418,298	4,404,531			
D.	Others (enterprises, logistics & ec	onomic performance)														
019	Number of trucking companies			Company	33,851	35,019	42,284	45,000	52,622	55,551	58,919	65,839	70,351			
020	Number of domestic forwarders			Company	5,300	5,395	5,482	5,471	6,036	5,921	5,950	5,140	4,941			
021	Number of warehouse companies			Company	675	684	716	695	685	675	666	633	599			
022	Number of fixed route bus operators			Company	7491	7844	9,470	9,543	3,881	11,603	11,531	11,671	12,161			
023	Total number of new driving licenses issued for automobiles			License	2,204,090	2,232,330	4,221,841	4,558,851	4,856,101	5,222,164	5,253,124	2,684,117	3,476,604			
024	Total number of new licenses issued for motorcycles			License	6,068,842	5,615,766	9,083,876	9,650,385	10,751,937	9,663,266	9,155,066	2,170,239	5,322,036			
025	Total domestic freight volume by			Thousand	437,587	432,804	430,290	431,445	448,432	462,375	445,439	426,896	444,996			
026	road Total domestic freight movement by	*		Million tons-	434,162	435,063	450,212	462,142	468,013	475,184	568,898	521,071	550,109			
	road Total import cargo by road			km Thousand	3,261		3,218	3,417	8,194	13,247	13,806	15,843	16,822			
	Total amort cargo by road			ton Thousand		3,428										
	Total export cargo by road			ton	7,096	8,608	8,170	7,751	8,372	9,122	10,182	10,779	12,380			
	Road traffic accident	~														
029	Number of traffic accidents			Person	521,512	592,882	575,093	561,313	570,080	623,634	627,945	715,411	683,482			
030	Number of traffic accident casualties (dead)			Person	61,366	61,137	54,186	55,727	55,434	57,511	63,007	76,365	61,507			
031	Number of traffic accident casualties (injuries)			Person	188,183	247,148	157,783	141,263	172,095	179,097	171,914	225,262	240,110			
	*: = Σ (country's figure(nt)) / Σ (country															

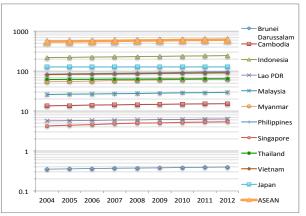
^{*:=}Σ (country's figure(nt)) /Σ (country's population(t)) , n ... an indicator. t ...a year. In case of a data-missing for the numerator, ASEAN total is used for the denominator.

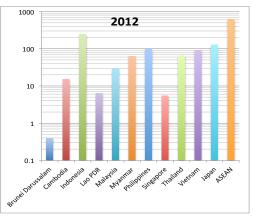
3.3 Comparison of Road Transport Statistics among AMSs and Japan

In this section, comparison graphs and tables of road transport statistics indicators (code 001 - 030 and m1 m7) among AMSs and Japan are stated. Indicators which do not have enough data for comparison are excluded. Left side graphs show trend of indicators of each countries and ASEAN total. Right side graphs show comparison among AMSs, ASEAN total and Japan in 2011. Some graphs show the data of 2010 because of data availability.

Most of graphs use logarithmic scales in the vertical axis because there is big difference among countries.

Graph 3.3.m1 Population (Million) in AMSs & Japan

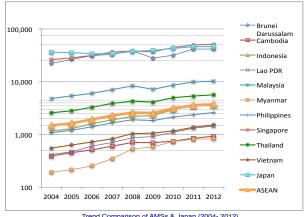


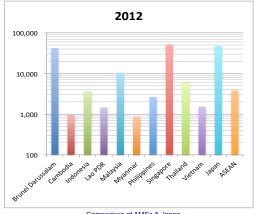


Comparison of AMSs & Japan

		Tab	le 3.3.m1	Populati	ion (Millic	on) in AMS	Ss & Japa	ın		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40
Cambodia	***	13.55	13.83	14.16	14.32	14.56	14.81	14.95	15.10	15.25
Indonesia	****	218.29	221.40	224.56	227.76	231.01	234.30	237.64	241.03	244.47
Lao PDR		5.67	5.75	5.84	5.93	6.02	6.11	6.20	6.29	6.38
Malaysia		25.91	26.48	26.83	27.19	27.54	28.08	28.59	28.96	29.46
Myanmar		54.30	55.39	56.51	57.64	58.80	59.98	61.19	62.42	63.67
Philippines		83.56	85.26	86.97	88.71	90.50	91.00	92.60	94.20	95.80
Singapore		4.27	4.40	4.59	4.84	4.99	5.08	5.18	5.31	5.41
Thailand	***	61.97	62.42	62.83	63.04	63.39	63.53	63.88	64.08	64.46
Vietnam	***	82.03	83.11	84.16	85.16	86.18	87.21	88.26	89.32	90.39
Japan		127.75	127.78	127.85	127.98	128.07	128.05	128.05	127.90	127.61
ASEAN		549.89	558.39	566.81	574.95	583.36	590.48	598.88	607.10	615.68

Graph 3.3.m2 GDP per capita (US\$) in AMSs & Japan

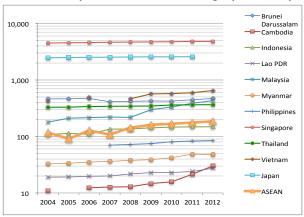


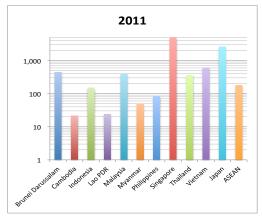


Trend Comparison of AMSs & Japan (2004- 2012)

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		le 3.3.m2							
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		22,345	26,587	31,469	33,102	38,445	28,237	31,982	41,662	41,703
Cambodia		393	455	514	603	711	703	753	853	934
Indonesia		1,178	1,291	1,623	1,898	2,211	2,300	2,986	3,511	3,592
Lao PDR		419	474	610	712	879	916	1,105	1,320	1,446
Malaysia		4,816	5,421	6,066	7,122	8,390	7,203	8,634	9,941	10,304
Myanmar		195	216	257	350	533	587	742	824	835
Philippines		1,093	1,209	1,405	1,684	1,918	1,851	2,155	2,386	2,614
Singapore		26,419	28,498	31,739	36,754	38,213	37,195	44,697	50,000	51,162
Thailand		2,603	2,825	3,296	3,918	4,300	4,151	4,992	5,395	5,678
Vietnam		554	637	724	835	1,048	1,068	1,174	1,374	1,528
Japan		36,444	35,781	34,077	34,038	37,865	39,321	42,917	46,108	46,736
ASEAN		1,489	1,643	1,940	2,290	2,623	2,570	3,149	3,594	3,746

Graph 3.3.m3 Paved road length per 1000 square km (Kilometer /1000 Km2) in AMSs & Japan

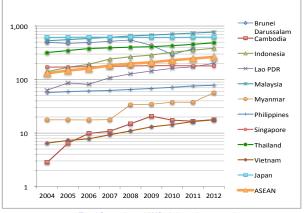


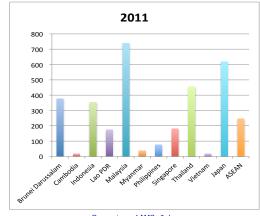


Comparison of AMSs & Japan

T	able 3.3.m3	Paved road	d length	per 1000 s	quare km	(Kilomet	er /1000	Km2) in A	MSs & Ja	pan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		462	466	470	412	418	425	422	447	470
Cambodia		11		12	13	13	15	16	21	30
Indonesia		108	114	110	135	136	142	146	149	149
Lao PDR		19	19	20	20	22	23	23	24	27
Malaysia		179	210	216	221	217	297	331	385	432
Myanmar		33	34	35	36	38	39	42	49	48
Philippines	المستستسيسة				70	72	75	80	83	85
Singapore		4,490	4,555	4,594	4,644	4,683	4,727	4,756	4,806	4,825
Thailand		329	330	340	342	345	347	361	363	365
Vietnam		416		492		464	567	573	596	651
Japan		2,471	2,494	2,512	2,529	2,544	2,561	2,576	2,589	
ASEAN		117	91	128	108	144	161	168	176	186

Graph 3.3.m4 Number of vehicles per 1000 persons (Unit/1000 persons) in AMSs & Japan



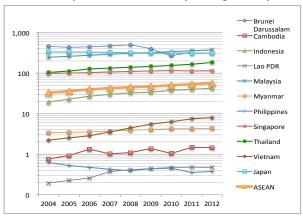


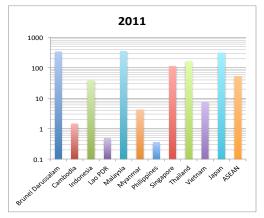
Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		493	475	491	518	548	436	294	377	
Cambodia		2.8	6.5	9.9	10.8	14.8	20.7	17.4	16.7	17.8
Indonesia	-	140	170	193	241	267	287	324	355	386
Lao PDR		64	87	82	108	128	145	163	173	202
Malaysia		531	558	587	618	652	677	706	739	771
Myanmar		18	18	18	18	34	34	38	38	57
Philippines		57	59	61	62	65	68	72	76	78
Singapore		170	172	174	176	179	182	182	180	179
Thailand		320	348	381	392	402	413	431	456	488
Vietnam		6.5	7.2	7.8	9.2	11.0	13.0	14.4	16.4	17.6
Japan		613	618	620	618	615	615	614	619	624
ASEAN		130	147	162	184	199	211	229	246	266

m5

Graph 3.3.m5 Number of passenger cars per 1000 persons (Unit/1000 persons) in AMSs & Japan



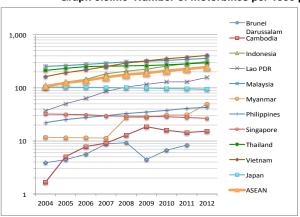


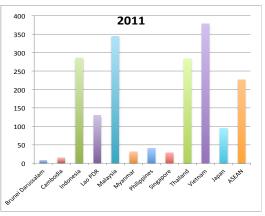
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

Table 3.3.m5 Number of passenger cars per 1000 persons (Unit/1000 persons) in AMSs & Japan
7 Trend Graph 2004 2005 2006 2007 2008 2009 2010 2011 2012 Country Trend Graph 455 436 448 472 504 403 265 338 1.46 Cambodia 0.76 0.93 1.32 1.02 1.09 1.38 1.04 1.47 Indonesia 19.4 22.9 26.9 30.2 32.4 33.8 37.4 39.6 42.7 0.48 Lao PDR 0.19 0.26 0.42 0.47 0.23 0.37 0.44 0.47 246 262 276 292 309 323 340 357 374 Malaysia 3.43 3.48 3.54 3.71 3.91 4.05 4.25 4.21 4.42 Myanmar 0.44 0.35 0.38 0.62 0.52 0.47 0.42 0.39 0.45 Philippines 115 107 98 100 104 111 114 115 114 Singapore 105 113 127 134 140 146 155 167 183 Thailand 2.22 2.51 2.84 3.53 4.46 5.55 6.31 7.52 8.04 Vietnam Japan 335 335 330 324 319 316 313 314 314 ASEAN 32.9 36.0 39.8 42.6 45.0 47.1 50.2 53.2 56.8

Graph 3.3.m6 Number of motorbikes per 1000 persons (Unit/1000 persons) in AMSs & Japan

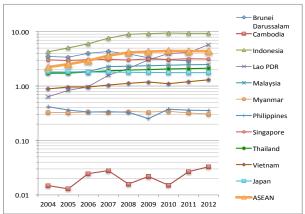


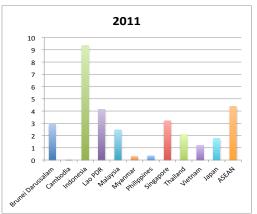


Trend Comparison of AMSs & Japan (2004-2012)

T	able 3.3.m6	Number o	f motorbi	kes per 1	000 perso	ns (Unit/	'1000 pers	ions) in A	MSs & Ja	pan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		3.88	4.44	5.63	8.84	9.25	4.47	6.68	8.35	
Cambodia		1.7	5.1	7.9	9.1	13.0	18.6	15.8	14.4	15.3
Indonesia		106	129	145	184	206	225	257	286	312
Lao PDR		36.8	50.2	63.2	85.9	103.5	116.5	129.7	130.1	157.6
Malaysia		254	264	277	292	308	318	330	345	360
Myanmar		11.7	11.6	11.4	11.4	27.3	27.9	30.7	31.0	49.5
Philippines		22.1	25.3	27.7	29.9	33.0	35.2	37.6	41.2	43.0
Singapore	************	32.1	31.6	31.2	29.8	29.3	29.0	28.5	27.7	26.6
Thailand		214	233	252	256	259	263	271	284	297
Vietnam		163	194	219	252	293	323	353	378	408
Japan	******	104	103	102	101	100	99	97	95	94
ASEAN		107	124	137	159	177	191	210	227	246

Graph 3.3.m7 Number of registerd buses per 1000 persons (Unit/1000 persons) in AMSs & Japan

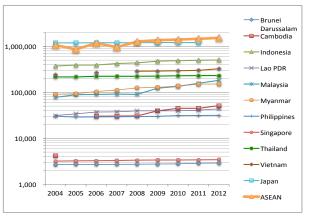


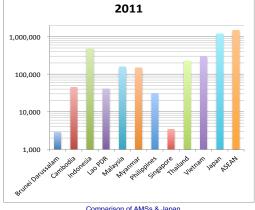


Comparison of AMSs & Japan

Tab	le 3.3.m7 Nu	mber of re	egisterd	buses per	1000 per	sons (Un	it/1000 pe	ersons) in	AMSs &	Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		3.49	3.39	4.01	4.35	3.94	3.31	3.04	2.91	
Cambodia		0.01	0.01	0.02	0.03	0.02	0.02	0.02	0.03	0.03
Indonesia		4.28	5.01	6.01	7.62	8.91	9.22	9.47	9.35	9.30
Lao PDR		0.64	0.83	0.98	1.58	2.11	3.04	3.98	4.13	5.80
Malaysia		1.79	1.81	1.86	2.29	2.33	2.37	2.42	2.48	2.50
Myanmar		0.33	0.32	0.34	0.33	0.34	0.33	0.34	0.32	0.31
Philippines	~~~~	0.42	0.36	0.33	0.34	0.33	0.25	0.38	0.36	0.35
Singapore	~~~~	3.05	2.95	3.05	3.10	3.01	3.15	3.09	3.20	3.15
Thailand		1.73	1.73	1.81	1.92	1.97	2.01	2.07	2.11	2.13
Vietnam	********	0.89	0.96	0.96	1.05	1.13	1.19	1.11	1.21	1.31
Japan		1.82	1.82	1.81	1.80	1.80	1.78	1.77	1.77	1.77
ASEAN		2.24	2.53	2.94	3.62	4.16	4.30	4.42	4.39	4.40

Graph 3.3.1 Total road length (Kilometer) in AMSs & Japan (Code 001)

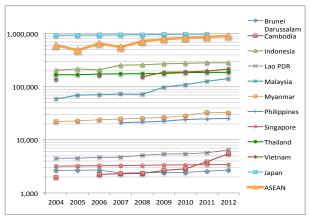


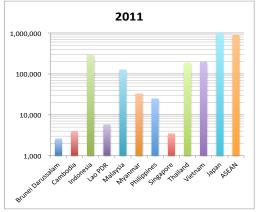


Trend Comparison of AMSs & Japan (2004- 2012)

		Table	3.3.1 Tot	al road le	ngth (Kild	meter) in	AMSs &	Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		2,660	2,702	2,713	2,721	2,738	2,755	2,779	2,879	2,909
Cambodia		4,165	N/Col	30,258	30,391	30,652	39,618	44,919	44,919	51,422
Indonesia	***	372,629	391,009	393,794	421,535	437,759	476,337	487,314	496,607	504,184
Lao PDR		31,300	33,900	37,150	37,770	39,550	39,550	39,590	41,030	43,600
Malaysia		77,695	88,514	90,131	91,892	90,467	123,021	135,478	157,167	182,699
Myanmar		90,700	92,900	104,100	111,700	125,400	127,900	136,749	150,816	151,298
Philippines	*****	30,324	28,952	29,209	29,370	29,650	29,898	31,242	31,359	31,598
Singapore		3,190	3,230	3,260	3,300	3,330	3,360	3,380	3,410	3,430
Thailand		215,876	216,048	222,743	223,564	223,859	224,493	229,435	230,926	231,620
Vietnam		238,000	N/Col	269,900	N/Col	287,700	290,700	295,100	300,848	326,000
Japan	***	1,187,638	1,192,972	1,197,008	1,200,890	1,203,776	1,207,867	1,210,252	1,212,664	
ASEAN		1,066,539	857,255	1,183,258	952,242	1,271,105	1,357,632	1,405,986	1,459,961	1,528,759

Graph 3.3.2 Length of paved road (Kilometer) in AMSs & Japan (Code 002)

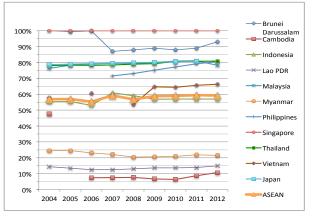


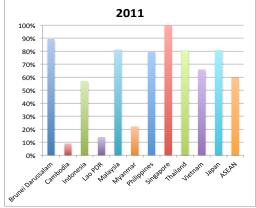


Comparison of AMSs & Japan

		Table 3.3	3.2 Lengt	h of pave	d road (K	ilometer)	in AMSs a	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		2,665	2,687	2,711	2,373	2,411	2,448	2,435	2,575	2,707
Cambodia	• •	1,980	N/Col	2,241	2,300	2,342	2,661	2,852	3,881	5,474
Indonesia		206,144	216,714	208,732	256,548	258,744	271,230	277,755	283,102	283,102
Lao PDR		4,507	4,535	4,658	4,734	5,126	5,434	5,427	5,703	6,496
Malaysia		59,255	69,340	71,292	73,054	71,875	98,368	109,625	127,517	143,012
Myanmar		22,153	22,830	23,955	24,670	25,553	26,333	28,569	33,014	32,535
Philippines	المستسبسيس				21,006	21,677	22,469	24,127	24,834	25,443
Singapore	***	3,188	3,234	3,262	3,297	3,325	3,356	3,377	3,412	3,426
Thailand		168,583	169,202	174,264	175,442	176,875	177,996	185,168	186,503	187,207
Vietnam		137,969	N/Col	163,255	N/Col	153,771	188,083	190,150	197,682	216,000
Japan	***	933,673	942,407	949,069	955,613	961,365	967,653	973,234	978,093	
ASEAN		606,444	488,542	654,370	563,425	721,699	798,378	829,485	868,224	905,403

Graph 3.3.3 Ratio of paved road to total road length (%) in AMSs & Japan (Code 003)

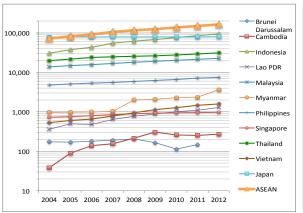


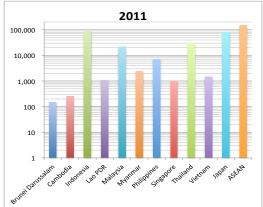


Trend Comparison of AMSs & Japan (2004- 2012)

					to total ro			ISs & Jap	an	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		100%	99%	100%	87%	88%	89%	88%	89%	93%
Cambodia	•	48%	N/Col	7%	8%	8%	7%	6%	9%	11%
Indonesia		55%	55%	53%	61%	59%	57%	57%	57%	57%
Lao PDR		14%	13%	13%	13%	13%	14%	14%	14%	15%
Malaysia		76%	78%	79%	80%	79%	80%	81%	81%	78%
Myanmar	*******	24%	25%	23%	22%	20%	21%	21%	22%	22%
Philippines	المستسبسين				72%	73%	75%	77%	79%	81%
Singapore	*****	100%	100%	100%	100%	100%	100%	100%	100%	100%
Thailand		78%	78%	78%	78%	79%	79%	81%	81%	81%
Vietnam	/	58%	N/Col	60%	N/Col	53%	65%	64%	66%	66%
Japan		79%	79%	79%	80%	80%	80%	80%	81%	
ASEAN		57%	57%	55%	59%	57%	59%	59%	59%	59%

Graph 3.3.5 Total number of registered road motor vehicles (Thousand) in AMSs & Japan (Code 005)

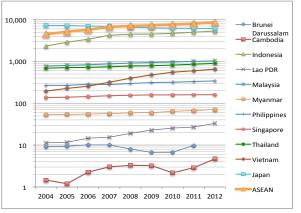


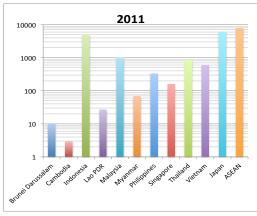


Comparison of AMSs & Japan

	Table 3.3.5	Total num	ber of reg	gistered r	oad moto	r vehicles	s (Thousa	nd) in AM	Ss & Japa	an
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		173.6	170.6	179.1	191.8	205.6	165.8	113.7	148.2	
Cambodia		38	89	140	154	215	307	260	252	271
Indonesia		30,542	37,593	43,313	54,803	61,685	67,337	76,907	85,601	94,373
Lao PDR		360	499	477	641	769	886	1,009	1,090	1,288
Malaysia		13,747	14,767	15,738	16,814	17,970	19,017	20,189	21,401	22,702
Myanmar		960	979	992	1,024	1,994	2,068	2,299	2,354	3,614
Philippines		4,761	5,060	5,332	5,530	5,891	6,220	6,635	7,139	7,463
Singapore		727	755	799	851	895	926	946	957	970
Thailand		19,815	21,729	23,958	24,738	25,512	26,258	27,530	29,205	31,440
Vietnam		532	602	656	787	947	1,138	1,274	1,463	1,590
Japan	-	78,279	78,992	79,236	79,081	78,801	78,693	78,661	79,113	79,625
ASEAN		71,656	82,245	91,584	105,534	116,084	124,323	137,163	149,610	163,712

Graph 3.3.8 Number of registered trucks (Thousand) in AMSs & Japan (Code 008)



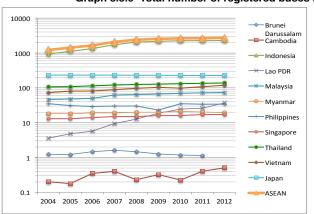


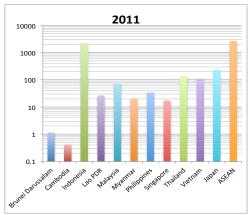
Trend Comparison of AMSs & Japan (2004- 2012)

	Tal	ble 3.3.8	Number o	f registere	ed trucks	(Thousa	nd) in AM	Ss & Japa	ın	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		9.27	9.42	10.09	10.16	8.07	6.68	6.76	9.74	
Cambodia		1.46	1.20	2.28	3.03	3.27	3.24	2.17	2.89	4.71
Indonesia		2,316	2,875	3,399	4,234	4,452	4,498	4,688	4,959	5,286
Lao PDR		11.30	11.70	14.60	15.50	19.10	23.00	25.50	27.00	33.00
Malaysia		767	800	836	871	909	936	966	998	1,032
Myanmar		53.0	54.0	55.0	57.0	59.0	60.0	64.0	67.2	70.6
Philippines		268.0	267.0	286.0	281.0	296.0	312.0	317.9	329.0	342.0
Singapore		137	139	144	151	156	158	158	160	160
Thailand		685	716	719	748	772	791	817	853	898
Vietnam		195	226	255	317	398	476	552	597	651
Japan		7,280	7,160	7,014	6,884	6,567	6,362	6,215	6,136	6,068
ASEAN		4,443	5,100	5,721	6,688	7,073	7,264	7,597	8,002	8,478

009

Graph 3.3.9 Total number of registered buses (Thousand) in AMSs & Japan (Code 009)



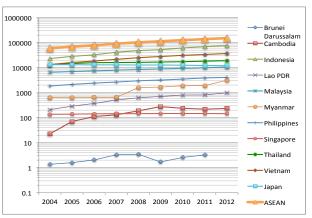


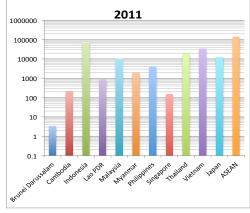
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table	3.3.9 Tot	al numbe	er of regis	tered bus	es (Thou	sand) in A	MSs & Ja	apan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1.23	1.22	1.46	1.61	1.48	1.26	1.18	1.14	
Cambodia		0.20	0.18	0.35	0.40	0.23	0.32	0.23	0.40	0.50
Indonesia		933	1,110	1,350	1,736	2,059	2,161	2,250	2,254	2,274
Lao PDR		3.6	4.8	5.7	9.4	12.7	18.6	24.7	26.0	37.0
Malaysia		46.3	47.9	49.9	62.3	64.1	66.6	69.1	71.8	73.5
Myanmar		18	18	19	19	20	20	21	20	20
Philippines	~~~~	35	31	29	30	30	23	35	34	34
Singapore		13	13	14	15	15	16	16	17	17
Thailand		107	108	114	121	125	128	132	135	138
Vietnam		73	80	81	89	97	104	98	108	118
Japan	*****	232	232	232	231	230	228	227	226	226
ASEAN		1,231	1,414	1,664	2,084	2,425	2,539	2,647	2,668	2,711

Graph 3.3.11 Total number of registered motorcycles (Thousand) in AMSs & Japan (Code 011)

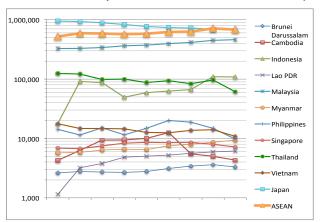


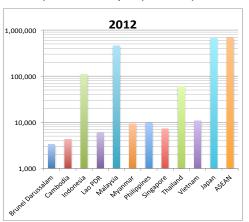


Trend Comparison of AMSs & Japan (2004- 2012)

	Table 3.3	.11 Total	number o	f registere	ed motoro	cycles (T	housand)	in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1.37	1.60	2.05	3.27	3.47	1.70	2.59	3.28	
Cambodia		23	71	112	130	189	275	236	218	233
Indonesia		23,061	28,532	32,529	41,955	47,684	52,767	61,078	68,839	76,381
Lao PDR		209	289	369	509	623	712	804	818	1,005
Malaysia		6,569	6,991	7,440	7,943	8,487	8,940	9,442	9,985	10,590
Myanmar		638	640	646	655	1,609	1,674	1,881	1,934	3,153
Philippines		1,847	2,158	2,409	2,648	2,983	3,201	3,482	3,881	4,117
Singapore		137.0	139.0	143.0	144.0	146.0	147.0	148.0	147.0	144.0
Thailand	***	13,232	14,574	15,803	16,143	16,449	16,729	17,323	18,175	19,169
Vietnam		13,375	16,086	18,406	21,428	25,273	28,195	31,155	33,774	36,894
Japan		13,261	13,175	13,060	12,935	12,787	12,675	12,477	12,206	11,985
ASEAN		59,091	69,481	77,858	91,559	103,446	112,642	125,552	137,775	151,687

Graph 3.3.29 Number of traffic accidents (Case/ Count) in AMSs & Japan (Code 029)

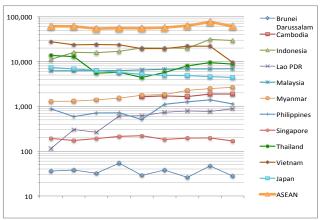


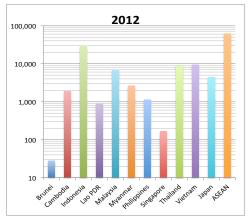


Comparison of AMSs & Japan

	Tabl	e 3.3.29	Number o	f traffic a	ccidents ((Case/ Co	unt) in Al	MSs & Jap	oan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		2,624	2,771	2,710	2,674	2,775	3,110	3,414	3,598	3,310
Cambodia		4,255	6,301	9,338	9,449	10,015	12,538	5,518	5,007	4,305
Indonesia	A	17,732	91,623	87,020	49,553	59,164	62,960	66,488	109,776	109,038
Lao PDR	****	1,136	3,212	3,770	4,824	5,024	5,233	5,638	5,935	6,146
Malaysia		326,817	328,264	339,252	363,319	372,990	397,330	414,421	449,040	462,423
Myanmar		5,708	5,830	6,368	6,583	6,483	7,535	7,985	8,568	9,339
Philippines	~~~	14,202	11,425	15,064	11,532	14,794	20,008	18,810	14,755	9,740
Singapore		6,845	6,705	7,499	8,325	8,590	8,505	8,622	7,925	7,168
Thailand	******	124,530	122,040	98,683	99,999	87,625	93,923	83,336	96,781	61,194
Vietnam	****	17,663	14,711	14,727	14,504	12,635	12,492	13,713	14,026	10,819
Japan		952,191	933,828	886,864	832,454	766,147	737,474	725,773	691,937	665,138
ASEAN		521,512	592,882	584,431	570,762	580,095	623,634	627,945	715,411	683,482

Graph 3.3.30 Number of traffic accident casualties (dead) (Count) in AMSs & Japan (Code 030)





Trend Comparison of AMSs & Japan (2004- 2012)

	Table 3.3	.30 Numb	er of traff	ic accide	nt casualt	ies (dead) (Count)	in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		36	38	32	54	29	38	26	47	28
Cambodia						1,638	1,717	1,649	1,890	1,894
Indonesia		11,204	16,115	15,762	16,955	20,188	19,979	19,873	31,185	29,544
Lao PDR		115	305	265	608	616	735	788	773	888
Malaysia		6,228	6,200	6,287	6,282	6,527	6,745	6,872	6,877	6,917
Myanmar		1,298	1,308	1,394	1,527	1,778	1,845	2,264	2,495	2,653
Philippines		879	593	712	718	508	1,117	1,262	1,399	1,129
Singapore	~~~	193	173	190	214	221	183	195	197	169
Thailand	*	13,766	12,858	5,499	5,759	4,416	5,722	7,996	9,496	8,745
Vietnam	~	27,647	23,547	24,045	23,610	19,513	19,430	22,082	22,006	9,540
Japan		7,358	6,871	6,352	5,744	5,155	4,914	4,863	4,612	4,411
ASEAN	~~~	61,366	61,137	54,186	55,727	55,434	57,511	63,007	76,365	61,507

4. Rail Transport

Outline of Rail Transport Statistics

Rail Transport Statistics of AMSs and Japan

Comparison of Rail Transport Statistics among AMSs and Japan







4. Rail Transport Statistics

4.1 Outline of Rail Transport Statistics

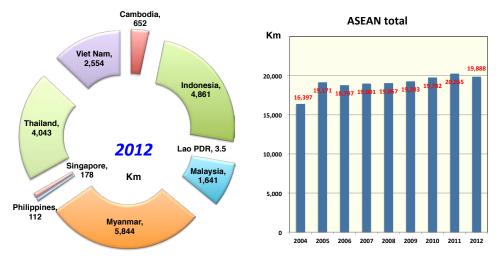




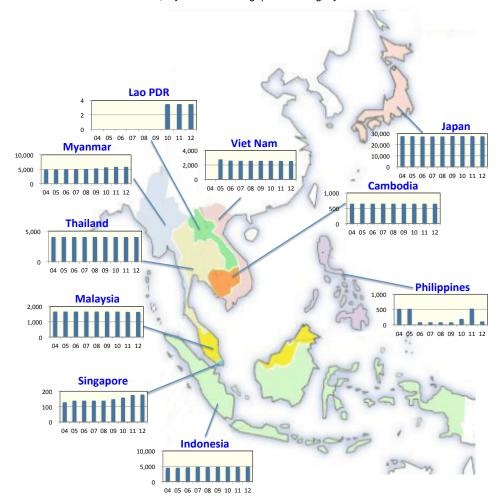


Graph 4.1.1 Total railway lengths (Km)

(2004 - 2012)



Total railway route lengths in ASEAN region was 19,888 km and that of Japan was 27,604 km in 2012. The number in Indonesia, Myanmar and Singapore has slightly increased since 2004.

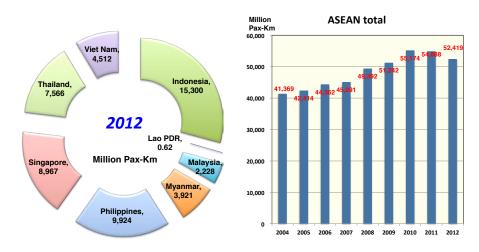




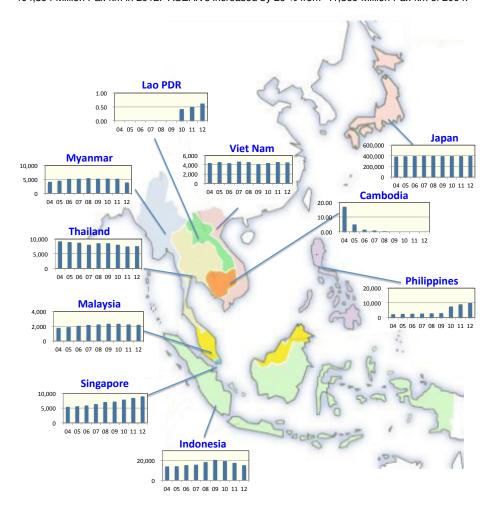
Graph 4.1.2 Rail Passenger-Kilometer (Million Pax-Km) (2004 - 2012)







Total Rail Passenger-Kilometers in ASEAN region was 52,419 Million Pax-km and that of Japan was 404,394 Million Pax-km in 2012. ASEAN's increased by 26 % from 41,369 Million Pax-km of 2004.





4.2 Rail Transport Statistics of Each country

In this section, Rail transport statistics tables of each country (AMSs & Japan) are stated. In the rail transport sector, 18 indicators (code 101 - 118) are collected based on the ASEAN- Japan Common Data templates. Brief definitions of those indicators are shown in Table 4.2.4. The Glossaries in "Chapter 7" describes them more in deRail.

The indicators of "m1: population" and "m2: GDP/capita" are added to these tables for helping further analysis of the data (Table 4.2.1). The indicators of "m3 - m4" are calculated through dividing original indicators by populations for helping a comparison of transport indicators among AMSs and Japan. The indicators of "m1a – m4a" are year-over-year growth rates of indicators. The background colors of "m1a - m4a" indicate deviations of growth rates from a mean level in each line.(Table 4.2.2)

Trend graphs show relative change of indicators over time. Plot graphs show values and bar chart graphs show percentages, and horizontal lines show zero levels.

Table 4.2.A Additional indicators for further analysis

	144010 11201 7144411101141 1114104110		
Code	Indicator name	Actual definition or Activity source of data	Unit/scale
	Miscellaneous		
m1	Population	World Economic Outlook	Million
m1a	Population growth rate	Comparing to the previous year	Percent (%)
m2	GDP per capita	World Economic Outlook	US\$
m2a	Growth rate of GDP per capita	Comparing to the previous year	Percent (%)
m3	Number of railway locomotives per million persons	(105) / Population (m1)	Unit/ Million persons
m3a	Growth rate of number of railway locomotives per million persons	Comparing to the previous year	Percent (%)
m4	Railway passengers/ Population	(108) / Population (m1)	Passenger/ person
m4a	Growth rate of Railway passengers/ Population	Comparing to the previous year	Percent (%)

Table 4.2.B Color hierarchy indicates degree of year-over-year growth rates

100 % max in the line
50 % mean in the line
0 % minimum in the line

Abbreviations for indicating when information/data in a certain template cell is not provided, either because it does not apply to or because the answer is not available are defined as Table 4.2.3. For example, Brunei does not have railways (code 101~118). Lao PDR has 3.5 km railways and there is not railway freight activity (code 112~115). Singapore has had no railway freight activity (code 112~115) only with railway passenger transport of MRT (Mass Rapid Transit) and LRT (Light Rapid Transit), then "N/App" marks should be used in corresponding cells of the railway common templates of the above countries.

Table 4.2.C Abbreviations for indicating data not provided

		9 1
Mark	Abbreviation	Description
N/App	Not Applicable.	The data is not applicable, because there are no transport activities related the indicator.
N/CoI	Not Collected	The data is not Collected by any organization of the country, although there are transport activities related the indicator.
N/Cont	Not Contactable	The data is not contactable, although the data seems to be Collected by some organization.
Confi	Confidential	The data is not disclosed by government.
O/C	Other Case	The Other case.

Table 4.2.D Code numbers and suggested definitions of Rail transport statistics indicators

Code	Indicator name	Unit/scale of measurement	Suggested definition
A.	Railway transport infrastructure		
101	Total railway route length	Kilometer	The kilometer length of the railway network that is operational in the country in a given year. Includes sidings that are used in operation. Excludes lines used solely for tourism purposes, mines, forests or other industrial or agricultural undertakings and which are not open to the public.
102	Double-track railway route length	Kilometer	The total kilometer length of double-track railway that is in operation in the country in a given year.
103	Electrified track railway route length	Kilometer	The total kilometer length of operational tracks with overhead trolley wire or with conductor rail to permit electric traction.
104	Urban railway route length	Kilometer	The kilometer length of urban railway/commuter lines, i.e., Metro and light rail transits, subways, trams, etc
B.	Railway transport equipment		
105	Number of railway locomotives ready for operation	Count	The total number of tractive railway vehicles with a power of 110 KW and above at the draw hook equipped prime mover and motor or with motor only used for hauling railway vehicles.
106	Number of passenger coaches	Count	The number of passenger railway vehicles, even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc
107	Number of freight wagons	Count	The number of railway vehicles normally intended for the transport of goods. Includes wagons in service and in book.
C.	Railway transport measurement; traffic	and accidents	
108	Total number of rail passengers	Million person	The total number of persons, excluding members of the train crew, who made a journey by rail in the country in a given year. Excludes passengers making a journey solely by railway-operated ferry or bus services.
109	Rail passenger-kilometer	Million passenger- kilometer	The total distance covered for the transport of passengers by rail over a distance of one kilometer. Note: If data is not available, then the distance charged or estimated should be taken into account.
110	Freight	Thousand ton	The gross weight of goods carried by rail. Includes the total weight of the goods and all packaging less tare-weight of the container, swap-body and pallets containing goods as well as road vehicles carried by rail.
111	Freight-kilometer	Thousand ton-kilometer	The total tonnage of goods transported by rail over a distance of one kilometer. Note: If data is not available, then the distance charged or estimated should be taken into account.
D.	Others (enterprises, logistics, and econ	omic performance	e)
112	Total domestic freight volume by rail	Thousand ton	The total volume (thousand tons) of domestic freight transported by rail.
113	Total domestic freight movement by rail	Million ton-kilometer	Rail transported freight multiplied by transported distance (million ton-km)
114	Total import cargo by rail	Thousand ton	Total volume (thousand tons) of import cargo transported by rail.
115	Total export cargo by rail	Thousand ton	Total annual volume (thousand tons) of export cargo transported by rail.
E.	Railway accident		
116	Number of Railway accidents	Cases	The number of unwanted or unintended sudden events or a specific chain of such events which have harmful consequences. Railway accidents are accidents in which at least one moving rail vehicle is involved.
117	Number of Railway accident casualties (dead)	Person	The number of persons killed immediately or dying within 24 hours* as results of accidents.lt includes passengers, employees and other specified or unspecified persons involved in a rail injury accident.
118	Number of Railway accident casualties (injuries)	Person	The number of persons seriously injured (any person injured who was hospitalized for more than 24 hours as a result of an accident) or person slightly injured (any person injured excluding persons killed or seriously injured). Persons with lesser wounds, such as minor cuts and bruises are not normally recorded as injured.

^{*} Additional information is described in 7.2 Glossaries for more detail.

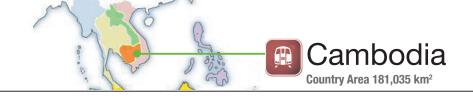


Table 4.2.1 Rail Transport of Cambodia (2004 - 2012)

Mail Growth rate of number of railway		Table 4.2.1 Hall Transport	Cor Gamboula (2									Country	AreaCar	nbodia	181,035	km2	(ASEAN-Japan Center)
Mailton Mail	Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition		2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	source of data [Official	Notes/ Remarks
Page-lating growth rate Page-lating grow		Miscellaneous															
No. Content of Corp per capits 1.5	m1	Population			Million	13.55	13.83	14.16	14.32	14.56	14.81	14.95	15.10	15.25	World Economic Outlook	IMF	
County from the county of continuous of county of coun	m1a	Population growth rate	Hana		%		2.05%	2.42%	1.14%	1.66%	1.67%	1.00%	1.00%	1.00%			
Court Cour	m2	GDP per capita			uss	393	455	514	603	711	703	753	853	934	World Economic Outlook	IMF	
County C	m2a	Growth rate of GDP per capita			%		15.66%	12.86%	17.43%	17.86%	-1.05%	7.00%	13.39%	9.39%			
Name	m3	Number of railway locomotives per million persons		(105) / m1		1.70	1.66	1.55	1.19	1.24	1.22	1.20	1.19	1.18			
Second Price of Fallows Second Price of	m3a	Growth rate of number of railway locomotives per million persons	-"		%		-2.01%	-6.61%	-23.60%	4.15%	-1.64%	-0.99%	-0.99%	-0.99%			
Realivery transport infrastructure Realivery	m4	Railway passengers/ Population		(108) / m1	Passenger/ person	0.0059	0.0034	0.0010	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000			
Total railway route length	m4a	Growth rate of Railway passengers/ Population			%		-42.43%	-70.92%	-22.31%	-56.18%	-100.00%						
Company Comp	A.	Railway transport infrastruct	ure														
	101	Total railway route length			Kilometer	652	652	652	652	652	652	652	652	652		RD (Railway Department)	
Margh	102	Double-track railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
Railway transport equipment Count 23 23 22 17 18 18 18 18 18 18 18	103				Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
Number of railway locomotives Count 23 23 22 17 18 18 18 18 18 18 19 19	104	Urban railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
Count 24 24 24 24 29 9 9 9 9 9 9 9 9	В.	Railway transport equipment															
Number of freight wagons	105	Number of railway locomotives ready for operation	\		Count	23	23	22	17	18	18	18	18	18		RD	
C. Railway transport measurement; traffic 108 Total number of rail passengers Million persons 0.0800 0.0470 0.0140 0.0110 0.0049 0.0	106	Number of passenger coaches			Count	24	24	24	9	9	9	9	9	9		RD	
Number of Railway accidents Napp	107	Number of freight wagons			Count	325	325	325	325	325	100	100	100	100		RD	
	C.	Railway transport measurement	ent; traffic														
199 Rail passenger-kilometer 17.0 5.0 1.4 1.0 0.4 0.0	108	Total number of rail passengers			Million persons	0.0800	0.0470	0.0140	0.0110	0.0049	0.0	0.0	0.0	0.0		RD	
ton 29.0 25.0 37.0 30.0 25.0 10.0 30 60.0 30 10.0 10.0 11.1 Freight-kilometer Million ton-kilometer 77.8 80.0 92.5 89.0 51.4 30.0 0.03 8.2 0.0 RD D. Others (enterprises, logistics, and economic performance) Thousand ton N/App N/Ap	109	Rail passenger-kilometer	\		passenger-	17.0	5.0	1.4	1.0	0.4	0.0	0.0	0.0	0.0		RD	
D. Others (enterprises, logistics, and economic performance) Thousand for N/App N/A	110	Freight	~			297.0	268.0	317.0	315.0	233.0	151.0	3.0	68.0	0.0		RD	
Total domestic freight volume by rail Total domestic freight wolume by rail Total domestic freight movement by rail Thousand by rail Thousand long long long long long long long long	111	Freight-kilometer			Million ton- kilometer	77.8	80.0	92.5	89.0	51.4	30.0	0.03	8.2	0.0		RD	
ton NAPP NAPP NAPP NAPP NAPP NAPP NAPP NAP	D.	Others (enterprises, logistics	, and economic pe	rforma	nce)												
by rail kilometer NAPP NAPP NAPP NAPP NAPP NAPP NAPP NAP	112	Total domestic freight volume by rail				N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
ton NAPP NAPP NAPP NAPP NAPP NAPP NAPP NAP	113	Total domestic freight movement by rail			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E. Railway accident Cases N/App N/A	114	Total import cargo by rail				N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
116 Number of Railway accidents Cases N/App N/App N/App N/App N/App N/App 1 2 1 RD 117 Number of Railway accident Person N/App N/	115	Total export cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
Number of Railway accident Person N/App N/App N/App N/App N/App 0 2 0 RD Number of Railway accident Number of Railway accident Number of Railway accident	E.	Railway accident															
Number of Railway accident Person N/Ann N	116	Number of Railway accidents			Cases	N/App	N/App	N/App	N/App	N/App	N/App	1	2	1		RD	
Number of Railway accident casualties (injuries) Person N/App N/App N/App N/App N/App 0 0 0 8 RD	117	Number of Railway accident casualties (dead)			Person	N/App	N/App	N/App	N/App	N/App	N/App	0	2	0		RD	
	118	Number of Railway accident casualties (injuries)			Person	N/App	N/App	N/App	N/App	N/App	N/App	0	0	8		RD	





Table 4.2.2 Rail Transport of Indonesia (2004 - 2012)

	Table 4.2.2 Rail Transpor	t of Indonesia (2	004 - 2										Country	1,904,569	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	218.29	221.40	224.56	227.76	231.01	234.30	237.64	241.03	244.47	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%			
m2	GDP per capita			US\$	1,178	1,291	1,623	1,898	2,211	2,300	2,986	3,511	3,592	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	<u>.ln.lı</u>		%		9.62%	25.71%	16.95%	16.54%	3.99%	29.84%	17.58%	2.33%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	1.62	1.64	1.51	1.46	1.45	1.56	1.33	1.59	1.66			
m3a	Growth rate of number of railway locomotives per million persons			%		0.82%	-7.67%	-3.15%	-0.81%	7.72%	-14.61%	19.43%	4.24%			
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	0.69	0.68	0.72	0.74	0.86	0.88	0.85	0.66	0.60			
m4a	Growth rate of Railway passengers/ Population			%		-0.36%	4.97%	2.82%	15.93%	3.26%	-3.90%	-22.40%	-9.10%			
A.	Railway transport infrastruct	ure														
101	Total railway route length			Kilometer	4,518	4,518	4,683	4,803	4,782	4,812	4,816	4,827	4,861	Railway Infrastructure Directorate		
102	Double-track railway route length			Kilometer	N/cont	N/cont	N/cont	391	391	445	445	512	593		DGR	
103	Electrified track railway route length			Kilometer	N/cont	N/cont	N/cont	204	204	207	215	219	222		DGR	
104	Urban railway route length			Kilometer	N/cont	N/cont	N/cont	N/cont	N/cont	N/cont	900	900	900		DGR	
В.	Railway transport equipment	ŧ														
105	Number of railway locomotives ready for operation	\sim		Count	354	362	339	333	335	366	317	384	406	Railway Rollingstock Directorate	DGR	
106	Number of passenger coaches			Count	1,212	1,226	1,297	1,190	1,219	1,495	1,542	1,616	1,655		DGR	
107	Number of freight wagons			Count	4,396	3,498	3,318	3,289	3,488	3,278	3,199	3,738	3,937		DGR	
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	150	151	161	168	198	207	202	159	147		DGR	
109	Rail passenger-kilometer			Million passenger- kilometer	14,159	14,345	15,438	15,872	18,511	20,697	19,600	17,800	15,300		DGR	
110	Freight			Thousand ton	17.5	17.3	17.5	16.8	19.6	19.1	18.9	19.5	22.1		DGR	
111	Freight-kilometer			Million ton- kilometer	4.4	4.2	4.4	4.4	5.5	5.6	7.0	6.5	7.3		DGR	
D.	Others (enterprises, logistics	s, and economic pe	rforma	nce)												
112	Total domestic freight volume by rail			Thousand ton	17	17	17	17	20	19	19	19	22		DGR	
113	Total domestic freight movement by rail			Million ton- kilometer	4.4	4.2	4.4	4.4	5.5	5.6	7.0	6.5	7.3		DGR	
114	Total import cargo by rail			Thousand ton	o/c	o/c	o/c		DGR							
115	Total export cargo by rail			Thousand ton	o/c	o/c	o/c		DGR							
E.	Railway accident															
116	Number of Railway accidents			Cases	N/App	N/App	N/App	139	126	69	42	33	31		DGR	*1
117	Number of Railway accident casualties (dead)			Person	N/App	N/App	N/App	34	45	57	79	39	4		DGR	*1
118	Number of Railway accident casualties (injuries)			Person	N/App	N/App	N/App	292	151	198	197	73	45		DGR	*2

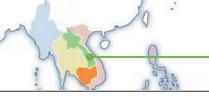




Table 4.2.3 Rail Transport of Lao PDR (2004 - 2012)

	Table 4.2.3 Rail Transport of Lao PDR (2004 - 2012)												CountryAreaLaos			(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	5.67	5.75	5.84	5.93	6.02	6.11	6.20	6.29	6.38	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.52%	1.55%	1.52%	1.53%	1.49%	1.46%	1.40%	1.40%			
m2	GDP per capita			US\$	419	474	610	712	879	916	1,105	1,320	1,446	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	<u>.1.1.11.</u>		%		12.97%	28.78%	16.77%	23.37%	4.19%	20.71%	19.43%	9.49%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
m3a	Growth rate of number of railway locomotives per million persons			%												
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	N/App	N/App	N/App	N/App	N/App	N/App	0.019	0.019	0.022			
m4a	Growth rate of Railway passengers/ Population			%								-1.38%	15.06%			
A.	Railway transport infrastruct	ure														
101	Total railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	3.5	3.5	3.5			
102	Double-track railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	3.5	3.5	3.5			
103	Electrified track railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
104	Urban railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
В.	Railway transport equipment															
105	Number of railway locomotives ready for operation			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
106	Number of passenger coaches			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
107	Number of freight wagons			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
c.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	N/App	N/App	N/App	N/App	N/App	N/App	0.12	0.12	0.14			
109	Rail passenger-kilometer			Million passenger- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	0.42	0.50	0.62			
110	Freight			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
111	Freight-kilometer			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
D.	Others (enterprises, logistics	s, and economic pe	rformaı	nce)												
112	Total domestic freight volume by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
113	Total domestic freight movement by rail			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
114	Total import cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
115	Total export cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E.	Railway accident															
116	Number of Railway accidents			Cases	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
117	Number of Railway accident casualties (dead)			Person	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
118	Number of Railway accident casualties (injuries)			Person	N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col			
	•								•							



Table 4.2.4 Rail Transport of Malaysia (2004 - 2012)

	Table 4.2.4 Rail Transport of Malaysia (2004 - 2012)												alaysia	330,803	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population	28.08	28.59	28.96	29.46	World Economic Outlook	IMF									
m1a	Population growth rate	Indla		%		2.21%	1.34%	1.32%	1.31%	1.96%	1.81%	1.31%	1.70%			
m2	GDP per capita			US\$	4,816	5,421	6,066	7,122	8,390	7,203	8,634	9,941	10,304	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		12.58%	11.88%	17.41%	17.81%	-14.15%	19.86%	15.14%	3.65%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	3.71	3.59	3.32	3.64	3.74	3.35	3.22	3.07	3.12			
тЗа	Growth rate of number of railway locomotives per million persons	╶╸╻┖╸ ┃╍╻╴		%		-3.18%	-7.56%	9.79%	2.70%	-10.50%	-3.86%	-4.51%	1.64%			
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	1.20	1.32	1.45	1.51	1.45	1.39	1.36	1.38	1.32			
m4a	Growth rate of Railway passengers/ Population	_H1,,		%		10.46%	9.95%	3.76%	-3.70%	-4.38%	-1.77%	1.24%	-4.13%			
Α.	Railway transport infrastruct	ure														
101	Total railway route length			Kilometer	1,665	1,665	1,665	1,665	1,665	1,665	1,665	1,641	1,641		MALAYSIA RAILWAY	ктмв
102	Double-track railway route length			Kilometer	151	328	328	328	328	328	335	344	344		MALAYSIA RAILWAY	ктмв
103	Electrified track railway route length			Kilometer	151	328	328	328	328	328	335	344	344		MALAYSIA RAILWAY	ктмв
104	Urban railway route length	/		Kilometer	151	151	151	151	151	151	158	158	158		MALAYSIA RAILWAY	ктмв
В.	Railway transport equipment															
105	Number of railway locomotives ready for operation	$\sqrt{}$		Count	96	95	89	99	103	94	92	89	92		MALAYSIA RAILWAY	ктмв
106	Number of passenger coaches	\sim		Count	271	264	254	241	255	241	191	254	210		MALAYSIA RAILWAY	ктмв
107	Number of freight wagons	M		Count	3,759	3,707	3,664	3,205	3,556	3,133	3,170	3,128	3,002		MALAYSIA RAILWAY	КТМВ
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	31	35	39	41	40	39	39	40	39		MALAYSIA RAILWAY	ктмв
109	Rail passenger-kilometer			Million passenger- kilometer	1,794	1,914	2,075	2,193	2,268	2,340	2,345	2,270	2,228		MALAYSIA RAILWAY	ктмв
110	Freight	1		Thousand ton	4,962	4,072	4,448	4,756	4,824	5,231	5,432	5,914	6,096		MALAYSIA RAILWAY	КТМВ
111	Freight-kilometer			Million ton- kilometer	1,017	1,178	1,318	1,355	1,350	1,384	1,483	1,535	1,539		MALAYSIA RAILWAY	ктмв
D.	Others (enterprises, logistics	, and economic pe	rformar	nce)												
112	Total domestic freight volume by rail	1		Thousand ton	4,962	4,072	4,448	4,756	4,824	5,231	5,432	5,914	6,096		MALAYSIA RAILWAY	ктмв
113	Total domestic freight movement by rail			Million ton- kilometer	1,017	1,178	1,318	1,355	1,350	1,384	1,483	1,535	1,539		MALAYSIA RAILWAY	ктмв
114	Total import cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
115	Total export cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E.	Railway accident															
	Number of Railway accidents			Cases	50	57	71	59	47	41	39	33	25		MALAYSIA RAILWAY	ктмв
117	Number of Railway accident casualties (dead)			Person	23	24	34	22	15	18	9	16	12		MALAYSIA RAILWAY	ктмв
118	Number of Railway accident casualties (injuries)	~ ~		Person	27	23	37	37	32	23	30	17	13		MALAYSIA RAILWAY	ктмв





Table 4.2.5 Rail Transport of Myanmar (2004 - 2012)

Indicator name Trend Graph Indicator name Trend Graph Indicator name Indicator	nic IMF	AFR
Population Population Million S4.30 S5.39 S6.51 S7.64 S6.80 S9.98 61.19 62.42 63.67 World Exception Population growth rate Population Population growth rate Population growth rate Population growth rate Population	MR MR	MF AF
### Population growth rate of CDP per capita ### Populati	MR MR	MF AF
Count nate of GOP per capita	MR	46
Million Mill	MR	46
Number of railway locomotives per million persons (1/65)/ Unit/ Million 0/675 0.000	MR	
March Marc	MR	
1.60% 1.60	MR	
Person 1.06 1.18 1.30 1.26 1.21 1.12 1.07 0.06	MR	
A. Railway transport infrastructure 101 Total railway route length Kilometer 4,868 4,868 4,947 5,038 5,125 5,301 5,672 5,844 5,844 102 Double-track railway route length Kilometer 450 450 482 701 701 701 701 701 701 103 Electrified track railway route length Kilometer N/App N/App	MR	
101 Total railway route length Kilometer 4,868 4,868 4,947 5,038 5,125 5,301 5,672 5,844 5,844 102 Double-track railway route length Kilometer 450 450 482 701 701 701 701 701 701 103 Electrified track railway route length Kilometer N/App N/	MR	
102 Double-track railway route length Kilometer 450 450 482 701	MR	
103 Electrified track railway route		MR .
104 Urban railway route length Kilometer 74 74 74 74 74 74 74 83 83 83 83 83 83 83 8	MR	
B. Railway transport equipment 105 Number of railway locomotives Count 217 239 261 262 271 216 248 250 250 106 Number of passenger coaches Count 1,117 1,104 1,186 1,203 1,201 1,238 1,257 1,257 1,281 107 Number of freight wagons Count 3,698 3,471 3,304 3,248 3,252 3,427 3,355 3,236 3,188 C. Railway transport measurement; traffic Million persons 58 65 74 74 75 72 69 67 55 109 Rail passenger-kilometer Million passenger 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921 107 Number of rail passenger-kilometer Passenger 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921 107 Rail passenger-kilometer Passenger 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921 108 Thousand 2,847		/IR
Number of railway locomotives Count 217 239 261 262 271 216 248 250 250	MR	/IR
106 Number of passenger coaches Count 1,117 1,104 1,186 1,203 1,201 1,238 1,257 1,257 1,281 107 Number of freight wagons Count 3,698 3,471 3,304 3,248 3,252 3,427 3,355 3,236 3,188 C. Railway transport measurement; traffic 108 Total number of rail passengers Million passenger Million passenger 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921 109 Rail passenger-kilometer Thousand 2,847 2,804 2,905 2,305 3,206 3,307 3,404 109 Thousand 2,847 2,804 2,905 3,305 3,206 3,307 3,404 109 Thousand 2,847 2,804 2,905 3,305 3,206 3,307 3,404 109 Thousand 2,847 2,804 2,905 3,305 3,206 3,307 3,404 109 Thousand 2,847 2,804 2,905 3,305 3,206 3,307 3,404 109 Thousand 2,847 2,804 2,905 3,305 3,206 3,307 3,404 109 Thousand 2,847 3,905 3,005 3,005 3,005 3,005 3,005 3,005 3,005 3,005 3,005 109 Thousand 2,847 3,904 3,005 3,		
107 Number of freight wagons	MR	/IR
C. Railway transport measurement; traffic 108 Total number of rail passengers Million persons 58 65 74 74 75 72 69 67 55	MR	MR .
108 Total number of rail passengers	MR	MR .
109 Rail passenger-kilometer passenger-kilometer 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921		
109 Rail passenger-kilometer passenger-kilometer 4,140 4,566 5,233 5,279 5,482 5,296 5,336 5,282 3,921 Thousand 0,947 0,994 0,995 0,007 0,007 0,995 0,007 0	MR	MR
110 Freight Thousand 2,847 2,894 2,901 2,825 2,976 3,236 3,322 3,576 3,124	MR	MR.
	MR	MR .
111 Freight-kilometer Million ton-kilometer 867 922 909 828 905 1,021 1,085 1,160 1,041	MR	/IR
D. Others (enterprises, logistics, and economic performance)		
Thousand ton 2,847 2,894 2,901 2,825 2,976 3,236 3,322 3,576 3,124	MR	MR
113 Total domestic freight movement by rail Million ton-kilometer 867 922 909 828 905 1,021 1,085 1,160 1,041	MR	/IR
114 Total import cargo by rail Thousand ton N/App	MR	MR .
115 Total export cargo by rail Thousand N/App	MR	/IR
E. Railway accident		
116 Number of Railway accidents		
117 Number of Railway accident Person 10 8 2 5 4 3 13 10 -		
Number of Railway accident Person 48 49 25 67 25 20 52 45 21		

	Table 4.2.6 Rail Transport	of Philippines (2004 -	2012)						c	ountryA	reaPhili	ppines	299,764	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/sdminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population	**********		Million	83.56	85.26	86.97	88.71	90.50	91.00	92.60	94.20	95.80	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.03%	2.01%	2.00%	2.02%	0.55%	1.76%	1.73%	1.70%			
m2	GDP per capita			US\$	1,093	1,209	1,405	1,684	1,918	1,851	2,155	2,386	2,614	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	ıllılıı		%		10.56%	16.24%	19.82%	13.93%	-3.48%	16.42%	10.70%	9.56%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	0.17	0.15	0.14	0.12	0.08	0.08	0.06	0.13	0.13			
m3a	Growth rate of number of railway locomotives per million persons			%		-8.99%	-9.51%	-10.13%	-37.62%	-0.55%	-15.77%	96.60%	-1.67%			
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	2.92	3.26	3.40	3.57	3.82	3.85	4.12	4.20	4.50			
m4a	Growth rate of Railway passengers/ Population	1.11		%		11.66%	4.38%	4.99%	6.99%	0.60%	7.23%	1.81%	7.19%			
Α.	Railway transport infrastruct	ure														
101	Total railway route length	\setminus		Kilometer	523	523	85	85	85	85	195	532	112	MRT,PNR &LRTA	ME	*1
102	Double-track railway route length			Kilometer	76	76	76	76	76	76	91	64	91	MRT,PNR &LRTA	PNR&LRA	
103	Electrified track railway route length	\wedge		Kilometer	45	45	45	45	45	45	50	80	50	MRT &LRTA	ME	
104	Urban railway route length	7	See Note	Kilometer	101	101	85	85	85	85	90	111	112	MRT, LRTA &PNR	PNR&LRA	*2
В.	Railway transport equipment			'												
105	Number of railway locomotives ready for operation			Count	14	13	12	11	7	7	6	12	12	PNR	PNR&LRA	*3
106	Number of passenger coaches			Count	259	252	300	300	381	399	321	316	267	MRT, PNR & LRTA		
107	Number of freight wagons			Count	213	213	151	151	151	132	120	120	120	PNR	PNR&LRA	
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	244	278	296	317	346	350	382	396	431.2	MRT,PNR & LRTA	ME	
109	Rail passenger-kilometer			Million passenger- kilometer	2,267	2,459	2,637	2,714	2,962	2,996	7,552	9,015	9,924.0	MRT, PNR & LRTA	PNR&LRA	
110	Freight			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col		Light Rail Transit	
111	Freight-kilometer			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
D.	Others (enterprises, logistics	s, and economic pe	rforma	nce)												
112	Total domestic freight volume by rail			Thousand ton												
113	Total domestic freight movement by rail			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
114	Total import cargo by rail			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
115	Total export cargo by rail			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
E.	Railway accident															
116	Number of Railway accidents	~		Cases	142	108	104	63	89	89	161	165	170	PNR		
117	Number of Railway accident casualties (dead)			Person	0	0	0	0	0	0	0	24	31	PNR		

Number of Railway accident casualties (injuries)

145 LRTA, MRT3&



Table 4.2.7	Rail Tra	nsport of	Singapore	(2004 -	2012)
14510 4.2.7	Han Ha	Haport or	Unigapore	(2004 -	2012)

	Table 4.2.7 Rail Transpor	t of Singapore (2	2004 - 20 ⁻	12)							Country	AreaSin	gapore	710	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population	***************************************		Million	4.27	4.40	4.59	4.84	4.99	5.08	5.18	5.31	5.41	World Economic Outlook	IMF	
m1a	Population growth rate	1111		%		3.16%	4.27%	5.45%	3.08%	1.78%	2.11%	2.47%	1.75%			
m2	GDP per capita			US\$	26,419	28,498	31,739	36,754	38,213	37,195	44,697	50,000	51,162	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	111. lı.		%		7.87%	11.37%	15.80%	3.97%	-2.66%	20.17%	11.86%	2.32%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m3a	Growth rate of number of railway locomotives per million persons			%												
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	0.31	0.32	0.32	0.33	0.36	0.37	0.42	0.45	0.49			
m4a	Growth rate of Railway passengers/ Population	[]		%		1.31%	2.11%	3.16%	7.86%	2.64%	25.81%	26.42%	33.11%			
A.	Railway transport infrastruct	ure														
101	Total railway route length	,/	Length of rail transit network in Singapore (MRT & LRT)	Kilometer	128	138	138	138	138	148	159	175	178		LTA	
102	Double-track railway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
103	Electrified track railway route length			Kilometer	128	138	138	138	138	148	159	175	178		LTA	*1
104	Urban railway route length			Kilometer	128	138	138	138	138	148	159	175	178			
В.	Railway transport equipment															
105	Number of railway locomotives ready for operation			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			*2
106	Number of passenger coaches			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
107	Number of freight wagons			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers		Average daily ridership of MRT & LRT (by financial year, Apr - Mar)	Million persons	1.3	1.4	1.5	1.6	1.8	1.9	2.2	2.4	2.7			
109	Rail passenger-kilometer		Total annual MRT & LRT passenger-km	Million passenger- kilometer	5,425	5,608	5,898	6,322	7,039	7,196	7,880	8,448	8,967			
110	Freight			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
111	Freight-kilometer			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
D.	Others (enterprises, logistics	s, and economic pe	rformance)												
112	Total domestic freight volume by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
113	Total domestic freight movement by rail			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
114	Total import cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
115	Total export cargo by rail			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E.	Railway accident															
116	Number of Railway accidents			Cases	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi		LTA	*3
117	Number of Railway accident casualties (dead)			Person	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi		LTA	
118	Number of Railway accident casualties (injuries)			Person	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi		LTA	
	Same as 101 above (total length of MRT and	I D treelet)	***	We do not have	damastis va	anti-	Lucii									

^{*1} Same as 101 above (total length of MRT and LR tracksT)
*3 There is no domestic railway system in Singapore. There is only an urban railway sy

Table 4.2.8 Rail Transport of Thailand (2004 - 2012)

		J4 - 20	,							Count	ryAreaTl	nailand	513,120	km2	(ASEAN-Japan Center)
Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
liscellaneous				,	·					,					
opulation	ALL THE STATE OF T		Million	61.97	62.42	62.83	63.04	63.39	63.53	63.88	64.08	64.46	World Economic Outlook	IMF	
Population growth rate	Hilita		%		0.73%	0.66%	0.33%	0.56%	0.22%	0.55%	0.31%	0.59%			
DP per capita			uss	2,603	2,825	3,296	3,918	4,300	4,151	4,992	5,395	5,678	World Economic Outlook	IMF	
rowth rate of GDP per capita	عالهالت		%		8.53%	16.66%	18.86%	9.75%	-3.46%	20.24%	8.08%	5.26%			
umber of railway locomotives er million persons	The same of the sa	(105) / m1	Unit/ Million persons	4.57	4.53	4.39	4.38	4.32	4.31	4.26	4.14	4.08			
rowth rate of number of railway ocomotives per million persons	-lli		%		-0.72%	-3.11%	-0.33%	-1.27%	-0.22%	-1.27%	-2.88%	-1.34%			
ailway passengers/ Population	~~~	(108) / m1	Passenger/ person	0.81	0.79	0.77	0.71	0.75	0.75	0.70	0.69	0.63			
rowth rate of Railway assengers/ Population			%		-3.13%	-1.71%	-7.40%	5.60%	0.00%	-7.61%	-1.39%	-7.93%			
ailway transport infrastructi	ure														
otal railway route length			Kilometer	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	Transport Statistics	SRT	
ouble-track railway route length			Kilometer	90	90	90	90	90	90	90	90	90	Transport Statistics	SRT	
lectrified track railway route ingth			Kilometer	64	64	64	64	64	66	94	105	105	Transport Statistics	SRT	
rban railway route length			Kilometer	44	44	44	44	44	46	74	85	85		MRTA, ARL , BTS	
ailway transport equipment															
umber of railway locomotives eady for operation	Jane Comment		Count	283	283	276	276	274	274	272	265	263	Transport Statistics	SRT	
umber of passenger coaches			Count	1,239	1,244	1,266	1,265	1,263	1,260	1,238	1,269	1,260	Transport Statistics	SRT	
umber of freight wagons			Count	6,900	6,693	6,692	6,692	6,690	6,797	6,069	6,016	5,637	Transport Statistics	SRT	
ailway transport measurem	ent; traffic														
otal number of rail passengers	~~~		Million persons	50	49	48	45	48	48	45	44	41	Transport Statistics	SRT	
ail passenger-kilometer			Million passenger- kilometer	9,190	8,954	8,746	8,051	8,570	8,578	8,083	7,504	7,566	Transport Statistics	SRT	
reight	\searrow		Thousand ton	12,883	11,760	11,579	11,055	12,807	11,133	11,399	10,864	11,849	Transport Statistics	SRT	
reight-kilometer			Million ton- kilometer	3,414	3,002	2,904	2,688	2,857	2,533	2,582	2,455	2,586	Transport Statistics	SRT	
thers (enterprises, logistics	, and economic pe	rformar	nce)												
otal domestic freight volume by	, and economic pe	rformar	Thousand ton	12,883	11,760	11,579	11,055	12,807	11,133	11,399	10,864	11,849	Transport Statistics	SRT	
otal domestic freight volume by	, and economic pe	rformar	Thousand	12,883 3,414	11,760 3,002	11,579 2,904	11,055 2,688	12,807 2,857	11,133 2,533	11,399 2,582	10,864 2,455		Transport Statistics Transport Statistics	SRT	
otal domestic freight volume by	, and economic pe		Thousand ton										Statistics		
otal domestic freight volume by iil otal domestic freight movement y rail	, and economic pe		Thousand ton Million ton-kilometer Thousand	3,414	3,002	2,904	2,688	2,857	2,533	2,582	2,455	2,586	Statistics Transport Statistics Transport	SRT	
otal domestic freight volume by otal domestic freight movement y rail otal import cargo by rail	, and economic pe		Thousand ton Million ton-kilometer Thousand ton Thousand	3,414 N/Col	3,002 N/Col	2,904 N/Col	2,688 77	2,857 70	2,533	2,582 14	2,455	2,586	Transport Statistics Transport Statistics Transport Statistics	SRT	
otal domestic freight volume by otal domestic freight movement y rail otal import cargo by rail otal export cargo by rail	, and economic pe		Thousand ton Million ton-kilometer Thousand ton Thousand	3,414 N/Col	3,002 N/Col	2,904 N/Col	2,688 77	2,857 70	2,533	2,582 14	2,455	2,586	Transport Statistics Transport Statistics Transport Statistics	SRT	
otal domestic freight volume by ill otal domestic freight movement y rail otal import cargo by rail otal export cargo by rail otal export cargo by rail	, and economic pe		Thousand ton Million ton- kilometer Thousand ton Thousand ton	3,414 N/Col	3,002 N/Col	2,904 N/Col	2,688 77 685	2,857 70 296	2,533 24 164	2,582 14 158	2,455 13 133	2,586 8 95	Statistics Transport Statistics Transport Statistics Transport Statistics Transport Statistics	SRT Customs Customs	
o le re le r	pulation pulation growth rate population growth rate population growth rate powth rate of GDP per capita powth rate of railway locomotives powth rate of number of railway pomotives per million persons powth rate of number of railway pomotives per million persons powth rate of Railway powth rate of railway route length powth railway r	pulation growth rate OP per capita owth rate of GDP per capita owth rate of number of railway locomotives rmillion persons owth rate of number of railway sometives per million persons iliway passengers/ Population owth rate of Railway seengers/ Population owth rate of Railway seengers/ Population owth rate of Railway seengers/ Population alilway transport infrastructure tal railway route length uble-track railway route length certrified track railway route length alilway transport equipment miber of railway locomotives addy for operation miber of freight wagons alilway transport measurement; traffic tal number of rail passengers ill passenger-kilometer	pulation pulation pulation growth rate proper capita proper ca	pulation pulation pulation growth rate P per capita USS Owth rate of GDP per capita where of railway locomotives r million persons owth rate of number of railway or railway or railway passengers/ Population white railway passengers/ Population white railway route length white railway ransport equipment white railway ransport equipment white railway ransport measurement; traffic tal number of rail passengers ill passenger-kilometer white railway ransport measurement; traffic tal number of rail passengers ill passenger-kilometer white railway ransport measurement; traffic white railway ransport measurement; traffic	pulation Million 61.97	scellaneous pulation Million 61.97 62.42 0.73% pulation growth rate % 0.73% 0.75% 0.75% 0.75% 0.72% 0.72% 0.72% 0.81 0.79 0.81	pulation Million 61.97 62.42 62.83 pulation % 0.73% 0.66% purpose of per capita	Million 61.97 62.42 62.83 63.04	pulation pulation	pulation Million 61.97 62.42 62.83 63.04 63.39 63.53	pulation Million 61.97 62.42 62.83 63.04 63.39 63.53 63.89	Million 61.97 62.42 62.83 63.04 63.39 63.53 63.88 64.08	Million	Million 61.97 62.42 62.83 63.04 63.39 63.53 63.88 64.08 64.46 E. Woods	Maillon 61,97 62,42 62,83 63,04 63,39 63,59 63,88 64,08 64,49 64,000 64,40 64,000 6





Table 4.2.9 Rail Transport of VietNam (2004 - 2012)

	Table 4.2.9 Rail Transpor	t of VietNam (20)	04 - 20	112)							Coun	tryAreaV	ietnam	331,690	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	82.03	83.11	84.16	85.16	86.18	87.21	88.26	89.32	90.39	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.31%	1.26%	1.19%	1.20%	1.20%	1.20%	1.20%	1.20%			
m2	GDP per capita			US\$	554	637	724	835	1,048	1,068	1,174	1,374	1,528	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		14.95%	13.68%	15.34%	25.48%	1.95%	9.85%	17.08%	11.17%			
m3	Number of railway locomotives per million persons	~~	(105) / m1	Unit/ Million persons	3.93	3.63	3.55	3.75	3.70	3.41	3.33	3.15	3.35			
m3a	Growth rate of number of railway locomotives per million persons	T-U-I-I		%		-7.42%	-2.23%	5.44%	-1.19%	-8.00%	-2.18%	-5.56%	6.55%			
m4	Railway passengers/ Population	~	(108) / m1	Passenger/ person	0.16	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13			
m4a	Growth rate of Railway passengers/ Population			%		-2.06%	-10.51%	-1.17%	-3.74%	-2.93%	-0.29%	4.99%	-1.85%			
A.	Railway transport infrastruct	ure														
101	Total railway route length	•••••		Kilometer		2,764	2,584	2,577	2,577	2,577	2,577	2,547	2,554		VRA	
102	Double-track railway route length			Kilometer			0	0	0	0	0	0	0			
103	Electrified track railway route length			Kilometer			0	0	0	0	0	0	0			
104	Urban railway route length			Kilometer			0	0	0	0	0	0	0			
В.	Railway transport equipment	:														
105	Number of railway locomotives ready for operation		of internati onal merchan	Count	322	302	299	319	319	297	294	281	303		VRA	
106	Number of passenger coaches			Count	933	946	938	1,033	1,054	1,054	1,043	907	1,040		VRA	
107	Number of freight wagons			Count	4,027	4,496	5,011	4,913	4,901	4,887	4,853	3,855	5,332		VRA	
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	12.9	12.8	11.6	11.6	11.3	11.1	11.2	11.9	11.8		GSO	
109	Rail passenger-kilometer			Million passenger- kilometer	4,376	4,563	4,334	4,660	4,560	4,138	4,378	4,569	4,512		GSO	
110	Freight			Thousand ton	8,874	8,787	9,153	9,050	8,481	8,248	7,862	7,234	7,076		GSO	
111	Freight-kilometer			Million ton- kilometer	2,745	2,949	3,447	3,883	4,171	3,865	3,961	4,099	3,949		GSO	
D.	Others (enterprises, logistics	s, and economic pe	rforma	nce)												
112	Total domestic freight volume by rail			Thousand ton	7,495	6,867	6,743	7,405	7,352	7,277	6,919	6,595	4,840		VRA	
113	Total domestic freight movement by rail			Million ton- kilometer	2,620	2,859	3,333	3,712	4,021	3,734	3,842	4,031	3,986		VRA	
114	Total import cargo by rail			Thousand ton	911.5	845.7	999.5	1258.4	809.3	730.8	717.4	502.8	860		VRA	
115	Total export cargo by rail	-		Thousand ton	366.8	375.9	411.2	386.8	227.6	150.9	138.8	99.7	10.58		VRA	
E.	Railway accident															
116	Number of Railway accidents	•		Cases									457		VRA	
117	Number of Railway accident casualties (dead)	•		Person									214		VRA	
118	Number of Railway accident casualties (injuries)	*		Person									312		VRA	



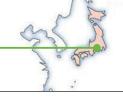


	Table 4.2.10 Rail Transpo	ort of Japan (200	4 - 201	2)							Co	untryAr	eaJapan	377,835	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													•		
m1	Population			Million	127.75	127.78	127.85	127.98	128.07	128.05	128.05	127.90	127.61	World Economic Outlook	IMF	
m1a	Population growth rate	.ılı		%		0.02%	0.06%	0.10%	0.06%	-0.01%	0.00%	-0.12%	-0.22%			
m2	GDP per capita			US\$	36,444	35,781	34,077	34,038	37,865	39,321	42,917	46,108	46,736	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		-1.82%	-4.76%	-0.11%	11.24%	3.85%	9.14%	7.44%	1.36%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	11.90	11.87	11.61	10.91	10.30	28.14	20.56	19.92				
тЗа	Growth rate of number of railway locomotives per million persons			%		-0.22%	-2.23%	-6.03%	-5.58%	173.19%	-26.92%	-3.11%				
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	169.75	171.89	173.98	178.46	179.41	177.46	177.04	176.96	180.56			
m4a	Growth rate of Railway passengers/ Population	nd., I		%		1.26%	1.21%	2.58%	0.53%	-1.09%	-0.24%	-0.04%	2.04%	Railway Infrastructure Directorate		
A.	Railway transport infrastruct	ure														
101	Total railway route length	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		Kilometer	27,681	27,636	27,458	27,337	27,337	27,796	27,643	27,643	27,604	Website of MLIT- Japan	RBMLIT	*1
102	Double-track railway route length			Kilometer	9,461	9,520	9,538	9,580	9,620	9,612	9,615	9,616	9,618	Website of MLIT- Japan	RBMLIT	
103	Electrified track railway route length			Kilometer	15,138	15,191	15,174	15,189	15,197	15,700	15,224	15,220		Website of MLIT- Japan	RBMLIT	
104	Urban railway route length	/		Kilometer	N/Cont	940	945	958	958	969	971	955	955	Numeric Perspective of Rail Transport	RBMLIT	*2
В.	Railway transport equipment	t														
105	Number of railway locomotives ready for operation		of internati onal	Count	1,520	1,517	1,484	1,396	1,319	3,603	2,633	2,548		Website of MLIT- Japan	RBMLIT	*3
106	Number of passenger coaches	~~/		Count	51,309	51,657	51,693	52,137	51,637	52,226	52,739			Website of MLIT- Japan	RBMLIT	*4
107	Number of freight wagons			Count	16,215	15,909	15,447	13,956	13,175	11,785	11,731	11,660		Website of MLIT- Japan	RBMLIT	*4
c.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	21,686	21,963	22,243	22,840	22,976	22,724	22,669	22,632	23,042	http://www.mlit.go.jp/ k- toukei/10/annual/inde x.pdf	RBMLIT	*5
109	Rail passenger-kilometer			Million passenger- kilometer	385,163	391,228	395,908	405,543	404,585	393,903	393,466	395,067	404,394	Website of MLIT- Japan	RBMLIT	P.3 Table-1
110	Freight			Thousand ton	52,219	52,473	51,872	50,850	46,225	43,251	43,647	39,886	42,340	Website of MLIT- Japan	RBMLIT	P.4 Table-3
111	Freight-kilometer			Million tons- km	22,476	22,813	23,192	23,334	22,256	20,562	20,398	19,998	20,471	Website of MLIT- Japan	RBMLIT	P.4 Table-3
D.	Others (enterprises, logistics	s, and economic pe	rforma	nce)												
112	Total domestic freight volume by rail			Thousand tons	52,219	52,473	51,872	50,850	46 225	43,251	43,647	39,886	42,340	Website of Survey on Railway Transport	RBMLIT	P.4 Table-3
113	Total domestic freight movement by rail			Million tons- km	22,476	22,813	23,192	23,334	22,256	20,562	20,398	19,998	20,471	Website of Survey on Railway Transport	RBMLIT	P.4 Table-3
114	Total import cargo by rail	• • • • • • • • • • • • • • • • • • • •		Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
115	Total export cargo by rail	• • • • • • • • • • • • • • • • • • • •		Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
E.	Railway accident															
116	Number of Railway accidents	~~		Cases		857	849	892	849	851	872	866	811	Railway Bureau,MLIT		
117	Number of Railway accident casualties (dead)			Person		444	319	332	315	317	353	314	451	Railway Bureau,MLIT		
118	Number of Railway accident casualties (injuries)	1		Person		953	473	394	392	418		465		Railway Bureau,MLIT		
	http://homepage1.nifty.com/tamtam/rail/ze http://www.mlit.go.jp/k-toukei/search/pdf/2				http://www.s http://www					nttp://www.	miit.go.jp/k-1	oukei/searc	rı/pathtml/23	3/23000000x0002	o.ntml	

^{*1} http://homepage1.nifty.com/tamtam/rail/zenrosen.html
*4 http://www.mlit.go.jp/k-toukei/search/pdf/23/23000000x01514.pdf

^{*2} http://www.stat.go.jp/data/chouki/12.htm *5 http://www.mlit.go.jp/k-toukei/10/annual/index.pdf





Table 4.2.11 Rail Transport of ASEAN (2004 - 2012)

	ole 4.2.11 Hall Transport o	N AOLAN (LOU-	,								Cou	ntryArea	ASEAN	4,482,756	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/adminis trative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	549.5	558.0	566.4	574.6	583.0	590.1	598.5	606.7	615.3	World Economic Outlook	IMF	except Brunei Darussalam,
m1a	Population growth rate			%		1.55%	1.51%	1.44%	1.46%	1.22%	1.42%	1.37%	1.41%			
m2	GDP per capita			US\$	1,476	1,627	1,921	2,270	2,600	2,553	3,131	3,569	3,721	World Economic Outlook	IMF	except Brunei Darussalam,
m2a	Growth rate of GDP per capita	ulli, İr.		%		10.28%	18.07%	18.13%	14.57%	-1.82%	22.62%	14.02%	4.25%			
m3	Number of railway locomotives per million persons		(105) / m1	Unit/ Million persons	2.38	2.36	2.29	2.29	2.28	2.16	2.08	2.14	2.18			
m3a	Growth rate of number of railway locomotives per million persons	-1-1144		%		-0.92%	-2.91%	0.03%	-0.69%	-5.30%	-3.34%	2.76%	2.02%			
m4	Railway passengers/ Population		(108) / m1	Passenger/ person	1.88	1.97	2.07	2.17	2.36	2.39	2.57	2.63	2.75			•
m4a	Growth rate of Railway passengers/ Population	<u> </u>		%		4.82%	4.89%	4.81%	8.79%	1.44%	7.65%	2.33%	4.60%			
A.	Railway transport infrastruct	ure														
101	Total railway route length			Kilometer	16,397	19,171	18,797	19,001	19,067	19,283	19,782	20,265	19,888			
102	Double-track railway route length			Kilometer	767	944	976	1,586	1,586	1,640	1,666	1,715	1,823			
103	Electrified track railway route length			Kilometer	388	575	575	779	779	794	853	923	899			
104	Urban railway route length			Kilometer	498	509	493	493	493	504	1,464	1,512	1,516			
В.	Railway transport equipment	:														
105	Number of railway locomotives ready for operation	~~		Count	1,309	1,317	1,298	1,317	1,327	1,272	1,247	1,299	1,344			
106	Number of passenger coaches			Count	5,055	5,060	5,265	5,241	5,382	5,696	5,601	5,628	5,722			
107	Number of freight wagons	~~~		Count	23,318	22,403	22,465	21,823	22,363	21,754	20,866	20,193	21,316			
C.	Railway transport measurem	ent; traffic														
108	Total number of rail passengers			Million persons	1,033	1,099	1,170	1,244	1,373	1,410	1,540	1,597	1,694			
109	Rail passenger-kilometer			Million passenger- kilometer	41,369	42,414	44,362	45,091	49,392	51,242	55,174	54,888	52,419			
110	Freight	\\\.		Thousand ton	29,880	27,798	28,416	28,018	29,341	28,018	28,036	27,676	28,167			
111	Freight-kilometer			Million tons- km	8,125	8,136	8,674	8,847	9,340	8,838	9,118	9,263	9,122			
D.	Others (enterprises, logistics	s, and economic pe	rformar	nce)												
112	Total domestic freight volume by rail	1		Thousand tons	28,204	25,610	25,688	26,058	27,979	26,896	27,091	26,969	25,931			
113	Total domestic freight movement by rail			Million tons- km	7,922	7,966	8,467	8,587	9,138	8,677	8,999	9,187	9,159			
114	Total import cargo by rail	~\		Thousand ton	912	846	1,000	1,335	879	755	731	516	868			
115	Total export cargo by rail			Thousand ton	367	376	411	1,072	524	315	297	233	106			
E.	Railway accident															
116	Number of Railway accidents	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Cases	1,660	1455	1503	1475	1750	1402	1423	1326	1,644			
117	Number of Railway accident casualties (dead)	\sqrt{N}		Person	185	223	194	301	244	377	323	199	367			
118	Number of Railway accident casualties (injuries)			Person	459	468	495	840	529	719	554	500	750			

[&]quot;: = \$\times \text{(country's figure(nt))} /\tilde{\text{Z}} \text{(country's population(t))}, n... an indicator. t...a year. In case of a data-missing for the numerator, ASEAN total is used for the denominator.

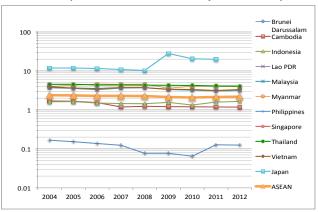
1 Data of Singapore use estimated value calculated by multipling "Average daily ridership of MRT & LRT (by financial year, Apr - Mar)" x "humber of day in each year"

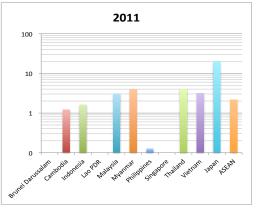
4.3 Comparison of Rail Transport Statistics among AMSs and Japan

In this section, comparison graphs and tables of rail transport statistics indicators (code 101 - 109 and m3 m4) among AMSs and Japan are stated. Indicators which do not have enough data for comparison are excluded. Left side graphs show trend of indicators of each countries and ASEAN total. Right side graphs show comparison among AMSs, ASEAN total and Japan in 2011. Some graphs show the data of 2010 because of data availability.

Most of graphs use logarithmic scales in the vertical axis because there is big difference among countries.

Graph 4.3.m3 Number of railway locomotives per million persons (Unit/ Million persons) in AMSs & Japan

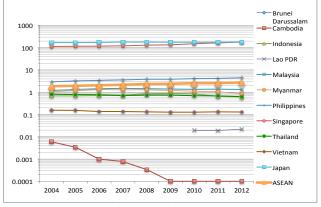


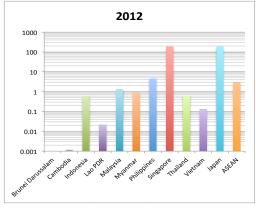


Comparison of AMSs & Japan

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App								
Cambodia	<u></u>	1.70	1.66	1.55	1.19	1.24	1.22	1.20	1.19	1.18
Indonesia		1.62	1.64	1.51	1.46	1.45	1.56	1.33	1.59	1.66
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia	~~~	3.71	3.59	3.32	3.64	3.74	3.35	3.22	3.07	3.12
Myanmar	~~~	4.00	4.31	4.62	4.55	4.61	3.60	4.05	4.01	3.93
Philippines	~~~	0.17	0.15	0.14	0.12	0.08	0.08	0.06	0.13	0.13
Singapore		N/App								
Thailand		4.57	4.53	4.39	4.38	4.32	4.31	4.26	4.14	4.08
Vietnam	~~~	3.93	3.63	3.55	3.75	3.70	3.41	3.33	3.15	3.35
Japan		11.90	11.87	11.61	10.91	10.30	28.14	20.56	19.92	
ASEAN		2.38	2.36	2.29	2.29	2.27	2.15	2.08	2.14	2.18

Graph 4.3.m4 Railway passengers/ Population (Passenger/ person) in AMSs & Japan





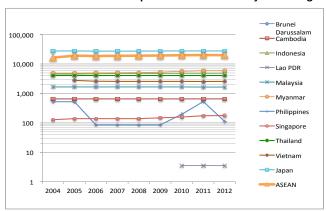
Comparison of AMSs & Japan

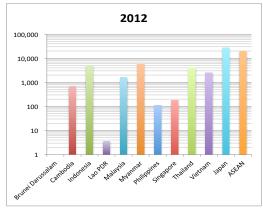
	Table 4.3	3.m4 Railv	vay passe	ngers/ Po	pulation	(Passenge	r/ person	in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		0.00590	0.00340	0.00099	0.00077	0.00034	0	0	0	0
Indonesia		0.69	0.68	0.72	0.74	0.86	0.88	0.85	0.66	0.60
Lao PDR	~	N/App	N/App	N/App	N/App	N/App	N/App	0.02	0.02	0.02
Malaysia		1.20	1.32	1.45	1.51	1.45	1.39	1.36	1.38	1.32
Myanmar		1.06	1.18	1.30	1.28	1.28	1.21	1.12	1.07	0.86
Philippines		2.92	3.26	3.40	3.57	3.82	3.85	4.12	4.20	4.50
Singapore *		114.11	115.28	117.72	121.44	131.34	134.44	152.79	165.60	179.44
Thailand		0.81	0.79	0.77	0.71	0.75	0.75	0.70	0.69	0.63
Vietnam		0.16	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13
Japan		169.75	171.89	173.98	178.46	179.41	177.46	177.04	176.96	180.56
ASEAN		1.88	1.97	2.07	2.17	2.36	2.39	2.57	2.63	2.75

* Singapore data: Estimate value calculated by multipling "Average daily ridership of MRT & LRT (by financial year, Apr - Mar)" x "number of day in each year"

101

Graph 4.3.101 Total railway route length (Kilometer) in AMSs & Japan (Code 101)



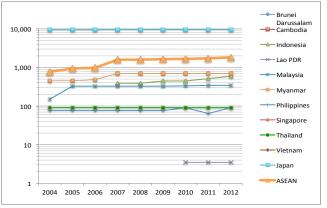


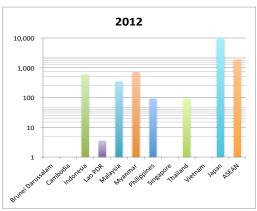
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App								
Cambodia		652	652	652	652	652	652	652	652	652
Indonesia		4,518	4,518	4,683	4,803	4,782	4,812	4,816	4,827	4,861
Lao PDR	•	N/App	N/App	N/App	N/App	N/App	N/App	3.5	3.5	3.5
Malaysia		1,665	1,665	1,665	1,665	1,665	1,665	1,665	1,641	1,641
Myanmar		4,868	4,868	4,947	5,038	5,125	5,301	5,672	5,844	5,844
Philippines	~	523	523	85	85	85	85	195	532	112
Singapore		128	138	138	138	138	148	159	175	178
Thailand	*****	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043	4,043
Vietnam	\		2,764	2,584	2,577	2,577	2,577	2,577	2,547	2,554
Japan		27,681	27,636	27,458	27,337	27,337	27,796	27,643	27,643	27,604
ASEAN	A	16,397	19,171	18,797	19,001	19,067	19,283	19,782	20,265	19,888

Graph 4.3.102 Double-track railway route length (Kilometer) in AMSs & Japan (Code 102)

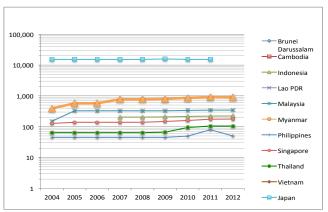


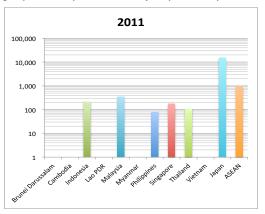


Trend Comparison of AMSs & Japan (2004- 2012)

	Tabl	e 4.3.102 l	Double-tra	ack railwa	y route le	ngth (Kilo	meter) in A	AMSs & Ja	pan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Indonesia		N/Cont	N/Cont	N/Cont	391	391	445	445	512	593
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	3.50	3.50	3.50
Malaysia	<i>,</i>	151	328	328	328	328	328	335	344	344
Myanmar		450	450	482	701	701	701	701	701	701
Philippines	······	76	76	76	76	76	76	91	64	91
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	*****	90	90	90	90	90	90	90	90	90
Vietnam		0	0	0	0	0	0	0	0	0
Japan		9,461	9,520	9,538	9,580	9,620	9,612	9,615	9,616	9,618
ASEAN		767	944	976	1,586	1,586	1,640	1,666	1,715	1,823

Graph 4.3.103 Electrified track railway route length (Kilometer) in AMSs & Japan (Code 103)

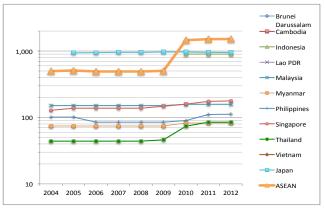


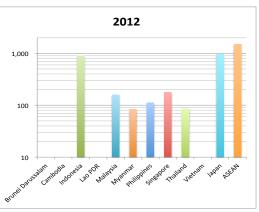


Comparison of AMSs & Japan

	Table	4.3.103 EI	lectrified t	rack railw	ay route I	ength (Kil	ometer) in	AMSs & .	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Indonesia		N/Cont	N/Cont	N/Cont	204	204	207	215	219	222
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia	<i>y</i>	151	328	328	328	328	328	335	344	344
Myanmar		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Philippines		45	45	45	45	45	45	50	80	50
Singapore		128	138	138	138	138	148	159	175	178
Thailand		64	64	64	64	64	66	94	105	105
Vietnam		0	0	0	0	0	0	0	0	0
Japan		15,138	15,191	15,174	15,189	15,197	15,700	15,224	15,220	
ASEAN		388	575	575	779	779	794	853	923	899

Graph 4.3.104 Urban railway route length (Kilometer) in AMSs & Japan (Code 104)



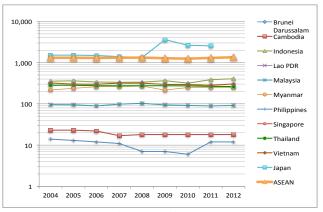


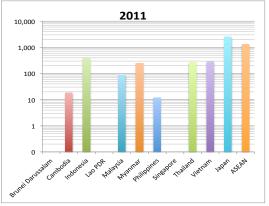
Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App N/App	N/App							
Cambodia		N/App N/App	N/App							
Indonesia		N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	900	900	900
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia		151	151	151	151	151	151	158	158	158
Myanmar		74	74	74	74	74	74	83	83	83
Philippines	~	101	101	85	85	85	85	90	111	112
Singapore		128	138	138	138	138	148	159	175	178
Thailand	••••	44	44	44	44	44	46	74	85	85
Vietnam		0	0	0	0	0	0	0	0	0
Japan			940	945	958	958	969	971	955	955
ASEAN		498	509	493	493	493	504	1,464	1,512	1,516

105

Graph 4.3.105 Number of railway locomotives ready for operation (Count) in AMSs & Japan (Code 105)



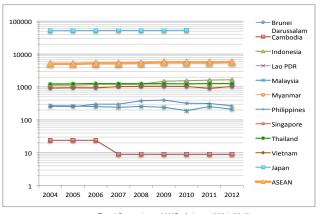


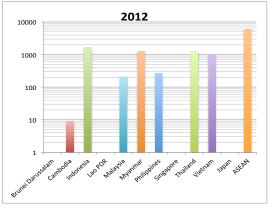
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 4.3.10	5 Numbe	r of railwa	y locomot	tives read	y for opera	ation (Cou	nt) in AMS	Ss & Japaı	า
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		23	23	22	17	18	18	18	18	18
Indonesia		354	362	339	333	335	366	317	384	406
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia		96	95	89	99	103	94	92	89	92
Myanmar		217	239	261	262	271	216	248	250	250
Philippines		14	13	12	11	7	7	6	12	12
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	**********	283	283	276	276	274	274	272	265	263
Vietnam	~~~	322	302	299	319	319	297	294	281	303
Japan		1,520	1,517	1,484	1,396	1,319	3,603	2,633	2,548	
ASEAN		1.309	1.317	1.298	1.317	1.327	1.272	1.247	1.299	1.344

Graph 4.3.106 Number of passenger coaches (Count) in AMSs & Japan (Code 106)

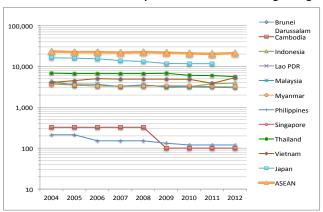


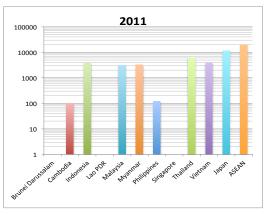


Trend Comparison of AMSs & Japan (2004- 2012)

	T	able 4.3.10		er of passe	enger coa	ches (Cou		Ss & Japa	n	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		24	24	24	9	9	9	9	9	9
Indonesia		1,212	1,226	1,297	1,190	1,219	1,495	1,542	1,616	1,655
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia	*****	271	264	254	241	255	241	191	254	210
Myanmar		1,117	1,104	1,186	1,203	1,201	1,238	1,257	1,257	1,281
Philippines		259	252	300	300	381	399	321	316	267
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	~~~~	1,239	1,244	1,266	1,265	1,263	1,260	1,238	1,269	1,260
Vietnam	····	933	946	938	1,033	1,054	1,054	1,043	907	1,040
Japan		51,309	51,657	51,693	52,137	51,637	52,226	52,739		
ASEAN		5,055	5,060	5,265	5,241	5,382	5,696	5,601	5,628	5,722

Graph 4.3.107 Number of freight wagons (Count) in AMSs & Japan (Code 107)

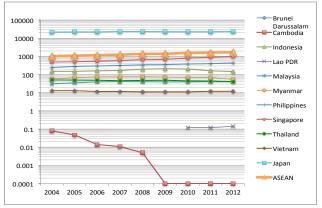


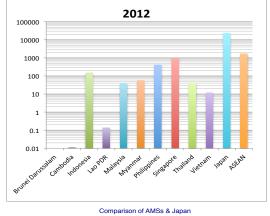


Comparison of AMSs & Japan

		Table 4.3.	107 Numl	ber of frei	ght wagor	ns (Count)	in AMSs	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		325	325	325	325	325	100	100	100	100
Indonesia	~~~~	4,396	3,498	3,318	3,289	3,488	3,278	3,199	3,738	3,937
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia		3,759	3,707	3,664	3,205	3,556	3,133	3,170	3,128	3,002
Myanmar	********	3,698	3,471	3,304	3,248	3,252	3,427	3,355	3,236	3,188
Philippines		213	213	151	151	151	132	120	120	120
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		6,900	6,693	6,692	6,692	6,690	6,797	6,069	6,016	5,637
Vietnam	~~~~	4,027	4,496	5,011	4,913	4,901	4,887	4,853	3,855	5,332
Japan		16,215	15,909	15,447	13,956	13,175	11,785	11,731	11,660	
ASEAN	~~~	23,318	22,403	22,465	21,823	22,363	21,754	20,866	20,193	21,316

Graph 4.3.108 Total number of rail passengers (Million persons) in AMSs & Japan (Code 108)

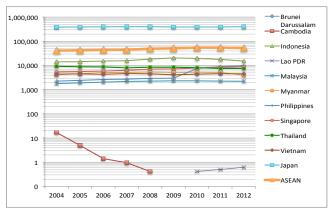


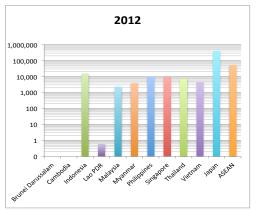


		4.3.108 Tot		r of rail pa	issengers	(Willion)	persons) i	n AMSs &	Japan	************
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia	~	0.080	0.047	0.014	0.011	0.005	0	0	0	0
Indonesia		150	151	161	168	198	207	202	159	147
Lao PDR	~	N/App	N/App	N/App	N/App	N/App	N/App	0.12	0.12	0.14
Malaysia		31	35	39	41	40	39	39	40	39
Myanmar		58	65	74	74	75	72	69	67	55
Philippines		244	278	296	317	346	350	382	396	431
Singapore *		487	507	540	588	655	683	792	880	970
Thailand	*****	50	49	48	45	48	48	45	44	41
Vietnam		13	13	12	12	11	11	11	12	12
Japan		21,686	21,963	22,243	22,840	22,976	22,724	22,669	22,632	23,042
ASEAN		1,033	1,099	1,170	1,244	1,373	1,410	1,540	1,597	1,694

109

Graph 4.3.109 Rail passenger-kilometer (Million passenger-kilometer) in AMSs & Japan (Code 109)



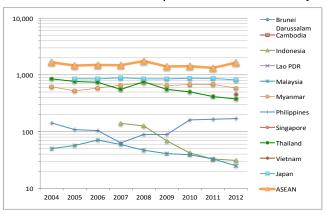


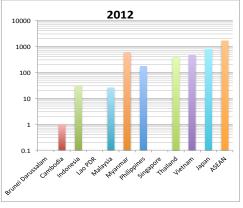
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 4.3	.109 Rail	passengei	r-kilometei	r (Million j	passengei	r-kilometei	r) ın AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		17.00	5.00	1.42	0.96	0.42	0.00	0.00	0.00	0.00
Indonesia		14,159	14,345	15,438	15,872	18,511	20,697	19,600	17,800	15,300
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	0.42	0.50	0.62
Malaysia		1,794	1,914	2,075	2,193	2,268	2,340	2,345	2,270	2,228
Myanmar		4,140	4,566	5,233	5,279	5,482	5,296	5,336	5,282	3,921
Philippines		2,267	2,459	2,637	2,714	2,962	2,996	7,552	9,015	9,924
Singapore		5,425	5,608	5,898	6,322	7,039	7,196	7,880	8,448	8,967
Thailand		9,190	8,954	8,746	8,051	8,570	8,578	8,083	7,504	7,566
Vietnam	~~~	4,376	4,563	4,334	4,660	4,560	4,138	4,378	4,569	4,512
Japan		385,163	391,228	395,908	405,543	404,585	393,903	393,466	395,067	404,394
ASEAN		41,369	42,414	44,362	45,091	49,392	51,242	55,174	54,888	52,419

Graph 4.3.116 Number of Railway accidents (Cases) in AMSs & Japan

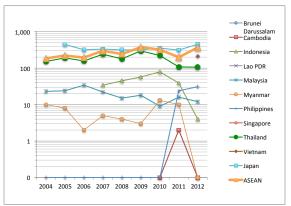




Trend Comparison of AMSs & Japan (2004- 2012)

	-	Table 4.3.1	16 Numbe	er of Railv	vay accide	ents (Case	s) in AMS	s & Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia	^	N/App	N/App	N/App	N/App	N/App	N/App	1	2	1
Indonesia	*****	N/App	N/App	N/App	139	126	69	42	33	31
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia		50	57	71	59	47	41	39	33	25
Myanmar	~~~	615	522	586	659	731	650	676	679	584
Philippines	~~~	142	108	104	63	89	89	161	165	170
Singapore		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Thailand		853	768	742	555	757	553	504	414	376
Vietnam	•									457
Japan	-		857	849	892	849	851	872	866	811
ASEAN	~~~	1,660	1,455	1,503	1,475	1,750	1,402	1,423	1,326	1,644

Graph 4.3.117 Number of Railway accident casualties (dead) (Person) in AMSs & Japan



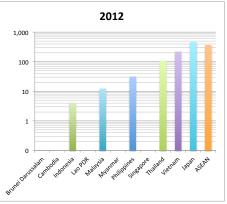


	Table 4.3	. I I / Num	er or Haii	iway accid	ent casua	nues (dea	a) (Persor	I) IN AWSS	α Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia	^	N/App	N/App	N/App	N/App	N/App	N/App	0	2	(
Indonesia		N/App	N/App	N/App	34	45	57	79	39	4
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/Col	N/Col	N/Col
Malaysia		23	24	34	22	15	18	9	16	12
Myanmar	~~~	10	8	2	5	4	3	13	10	C
Philippines		0	0	0	0	0	0	0	24	31
Singapore		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Thailand		152	191	158	240	180	299	222	108	106
Vietnam	•									214
Japan	\\		444	319	332	315	317	353	314	45
ASEAN	~~~ ~	185	223	194	301	244	377	323	199	367

5. Water Transport

Outline of Water Transport Statistics

Water Transport Statistics of AMSs and Japan

Comparison of Water Transport Statistics among AMSs and Japan







5. Water Transport Statistics

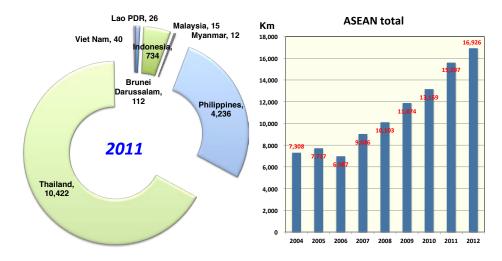
5.1 Outline of Water Transport Statistics



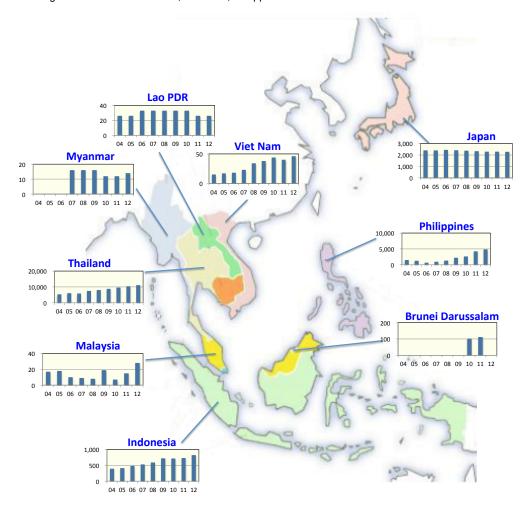




Graph 5.1.1 Number of domestic passenger fleet (Count)



The total number of domestic passenger fleets in ASEAN region (16,926) in 2012 doubled from the number (7,308) in 2004. In 2011, Thailand had 10, 422 domestic passenger fleets that was the highest in ASEAN and with 4,236 fleets, Philippines ranked the second.

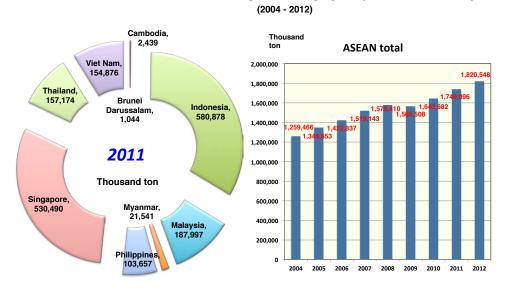




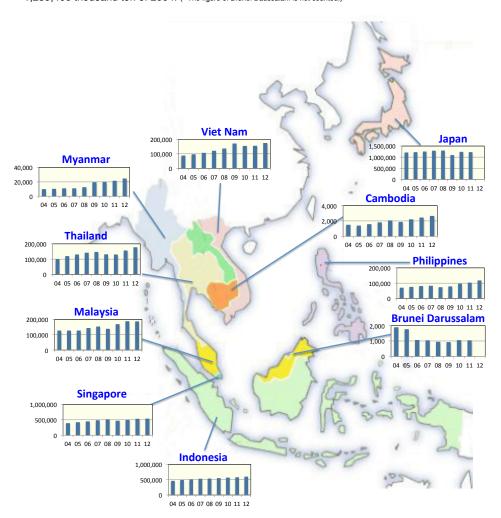




Graph 5.1.2 International sea cargo throughput (Thousand ton)



Total International sea cargo throughput in ASEAN region was 1,820,548 thousand ton* in 2012 and that of Japan was 1,226,232 Thousand ton in 2011. ASEAN's increased by 45 % from 1,259,466 thousand ton of 2004. (* The figure of Brunei Daussalam is not counted.)





5.2 Water Transport Statistics of of Each country

Growth rate of amount of International sea cargo throughput

In this section, Water transport statistics tables of AMSs and Japan are given. In the water transport sector, 33 indicators (code 201 - 233) are collected based on the ASEAN- Japan Common Data templates. Brief definitions of those indicators are shown in Table 5.2.4. The Glossaries in "Chapter 7" describes them more in detail.

The indicators of "m1: population" and "m2: GDP/capita" are added to these tables for helping further analysis of the data (Table 5.2.1). The indicators of "m3 - m6" are calculated through dividing original indicators by populations for helping a comparison of transport indicators among AMSs and Japan. The indicators of "m1a - m6a" are year-over-year growth rates of indicators. Background colors of "m1a - m6a" indicates deviations of growth rates from a mean level in each line.(Table 5.2.2)

Trend graphs show relative change of indicators over time. Plot graphs show values and bar chart graphs show percentages, and horizontal lines show zero levels.

Actual definition or Activity source of data Unit/scale Code Indicator name Miscellaneous Population World Economic Outlook Million m1 Population growth rate Percent (%) m1a Comparing to the previous year m2 GDP per capita World Economic Outlook US\$ Growth rate of GDP per capita Percent (%) m2a Comparing to the previous year Number of domestic passenger fleet per million persons (203) / Population (m1) Unit / 1000 persons m3 Growth rate of number of domestic passenger fleet per million m3a Comparing to the previous year Percent (%) persons Unit / 1000 persons (212) / Population (m1) m4 Amount of domestic sea cargo throughput per 1000 persons Growth rate of amount of domestic sea cargo throughput per m4a Comparing to the previous year Percent (%) 1000 persons (211) / Population (m1) Unit / 1000 persons Domestic sea passenger traffic/Population m5 m5a Growth rate of Domestic sea passenger traffic/Population Comparing to the previous year Percent (%) m6 Amount of International sea cargo throughput per 1000 persons (215) / Population (m1) Unit / 1000 persons

Table 5.2.A Additional indicators for further analysis

Table 5.2.B Color hierarchy indicates degree of year-over-year growth rates

Comparing to the previous year

Percent (%)

100 % max in the line
50 % mean in the line
0 % minimum in the line

Abbreviations for indicating when information/data in a certain template cell is not provided, either because it does not apply to or because the answer is not available are defined as follows. For example, Singapore does not have river freight transport (code 218~223). Lao PDR is an inland state therefore it does not have seas transport (code 211~217), then "N/App" marks should be used in corresponding cells of the railway common templates of the above countries.

Table 5.2.C Abbreviations for indicating data not provided

Mark	Abbreviation	Description
N/App	Not Applicable.	The data is not applicable, because there are no transport activities related the indicator.
N/Col	Not Collected	The data is not Collected by any organization of the country, although there are transport activities related the indicator.
N/Cont	Not Contactable	The data is not contactable, although the data seems to be Collected by some organization.
Confi	Confidential	The data is not disclosed by government.
O/C	Other Case	The Other case.

m6a

Table 5.2.D Code numbers and suggested definitions of Water transport statistics indicators

	Table 5.2.D Code num		ggested definitions of Water transport statistics indicators
Code	Indicator name	Unit/scale of measurement	Suggested definition
A.	Maritime transport infrastructure		
201	Number of domestic ports	Count	The total number of ports used primarily for national sea transport or for merchant ships providing transport service between two ports of the national territory. Port - a place having facilities for merchant ships to moor and to load or unload cargo or to disembark or embark passengers to or from vessels, usually directly to a pier. Merchant ship – ship designed for the carriage of goods, transport of passengers or specially fitted out for a specific commercial duty; includes cargo- and passenger-carrying ships and ships of miscellaneous activities, specially fitted out for a specific duty, e.g., fish catching and processing ships, tugs, dredgers, research/survey ships, and ships used in offshore production and support. Naval ships and ships used by public administration and public services as well as barges are excluded.
202	Number of international ports	Count	The number of ports used primarily for international sea transport or for merchant ships providing transport service between ports of two or more countries.
B.	Maritime transport equipment (vess	sels)	
203	Number of domestic passenger fleet	Count	The number of passenger ships registered at a given date in a country. Includes ferryboats. Passenger ship is a ship mainly provides the service for passenger transportation even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc
204	Number of domestic cargo fleet	Count	The number of cargo/freight ships over 100 tones registered at a given date in a country. Includes vessels under repair. Merchant ship is a ship that mainly provides services for cargo.
205	Gross tonnage of domestic passenger fleet	Thousand Ton	Gross tonnage of all of domestics passenger fleets displacement
206	Gross tonnage of domestic merchant fleet	Thousand Ton	Gross tonnage of all of domestics merchant fleet displacement
207	Number of international merchant fleet	Count	Number of merchant ships (passenger and/or cargo) operating on international shipping routes. Note: In case of Japan, only National Flag and vessels of more than 2000 gross tonnage are counted.
208	Number of international container vessel fleet	Count	Number of containerships operating on international shipping routes
209	Gross tonnage of international merchant fleet	Thousand Ton	Gross tonnage of all of domestics passenger fleets displacement.
210	Gross tonnage of international container vessel fleet	Thousand Ton	Gross tonnage of all of domestics passenger fleets displacement.
C.	Maritime transport measurement ar	nd traffic	
211	Domestic sea passenger traffic	Thousand person	The number of persons who made a sea journey on a merchant ship between two ports of the national territory during the year. Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.
212	Domestic sea cargo throughput	Thousand ton	The total number of tons of cargo, including transit, loaded and unloaded by domestic merchant ships in the country's ports during the year.
213	Number of domestic ship calls	Thousand time	Total number of times domestic merchant ships made a port call when they anchor or berth to load or unload cargo, to embark and disembark passengers or to facilitate excursions by passengers during the year.
214	International sea passenger traffic	Thousand person	The total number of persons who made a sea journey on a merchant ship bound for or coming from another country during the year. Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.
215	International sea cargo throughput	Thousand ton	The total number of tons of cargo loaded and unloaded by international merchant ships in the country's ports in a given year. Includes transshipment (sea-sea transport) and transit cargo.
216	International sea container throughput	Thousand TEUs	The total number of containers (expressed in TEU) loaded and unloaded in a port in a period of one year.
217	Number of international ship calls	Thousand time	Total number of times international merchant ships made a port call when they anchor or berth to load or unload cargo, to embark and disembark passengers or to facilitate excursions by passengers during the year.
D.	River transport infrastructure		
218	Number of river ports	Count	The total number of ports used primarily for national or international river transport or for merchant ships providing transport service between two ports of the national territory.
219	Total waterway route length	Kilometer	The total kilometer length of the waterway network for river ship that is operational in the country in a given year.
E.	River transport equipment (vessels)	
220	Number of passenger river fleet (domestic/international)	Thousand person	The number of passenger ships registered as a river ship at a given date in a country. Includes passengers carried by ferryboats across river. River ship is a ship mainly provide the service for passenger transportation in river even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc
221	Number of domestic cargo river fleet (domestic/international)	Count	The number of cargo/freight ships over 100 tones registered at a given date in a country. Includes vessels under repair.
F.	River transport measurement and t	raffic	·
222	River passenger traffic (domestic/international)	Thousand person	The number of persons who made a river journey on a merchant ship between two ports of the national territory or (between national port and the foreign port) during the year. Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.
223	River cargo throughput (domestic/international)	Thousand ton	The total number of tons of cargo, including transit, loaded and unloaded by domestic (international) merchant ships in the country's river ports during the year.
G.	Others (enterprises, logistics and e	conomic performa	
224	Total domestic freight volume by	Thousand ton	Total volume of coastal cargo transported by domestic sea routes.
225	sea Total domestic freight movement	Million	Transported coastal cargo multiplied by transported distance.
226	by sea Total import cargo by sea	ton-kilometer Thousand ton	Total volume of inward coastal cargo transported by international sea routes.
227	Total export cargo by sea	Thousand ton	Total volume of outward coastal cargo transported by international sea routes.
228	Total domestic freight volume by river	Thousand ton	Total volume of river cargo transported by domestic water routes.
229	Total domestic freight movement by river	Million ton-kilometer	Transported river cargo multiplied by transported distance (million ton-km).
230	Total import cargo by river	Thousand ton	Total volume of inward river ship cargo transported by international river routes.
231 F.	Total export cargo by river River transport measurement and t	Thousand ton raffic	Total volume of outward river ship cargo transported by international river routes.
232	The total number of ships involving in accidents	ship	The number of ships involvement in specific, identifiable, unexpected, unusual and unintended external event caused by, or in connection with, the operation of vessels/ships resulting in casualties or incidents which occur in a particular time and place, without apparent cause but with marked effect. By definition suicides are excluded, as they are a deliberate act.
233	The number of deaths and missing	person	The number of persons killed within 24 hours or was missing as results of accidents excluding suicides. A killed person is excluded if the competent authority declares the cause of death to be suicide, i.e. a deliberate act to injure oneself resulting in death.
			* Additional information is described in 7.2 Glossaries for more detail

^{*} Additional information is described in 7.2 Glossaries for more detail.



т	able 5.2.1 Water Transpo	rt of Brunei (200	4 - 20	12)							Cou	ıntryArea	Brunei	5,765	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census,	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous		definition											survey]		
m1	Population			Million	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	World Economic Outlook	IMF	
m1a	Population growth rate	Iterates		%		1.99%	1.67%	1.37%	1.35%	1.33%	1.84%	1.55%	1.53%			
m2	GDP per capita			US\$	22,345	26,587	31,469	33,102	38,445	28,237	31,982	41,662	41,703	World Economic Outlook	IMF	
	Growth rate of GDP per capita			%		18.98%	18.36%	5.19%	16.14%	-26.55%	13.26%	30.27%	0.10%	Guidok		
m3	Number of domestic passenger fleet	—	(203) /	Unit/Million	N/App	N/App	N/App	N/App	N/App	N/App	263.57	284.99				
m3a	per million persons Growth rate of number of domestic		m1	persons %								8.13%				
m4	passenger fleet per million persons Amount of domestic sea cargo		(212)/	Unit/1000	8.5	7.0	4.0	7.3	10.2		44.0					
	throughput per 1000 persons Growth rate of amount of domestic	~~~	`m1´	persons	8.5	7.2	4.9			5.3	11.9	16.4				
m4a	sea cargo throughput per 1000 persons Domestic sea passenger		(211)/	%		-15.02%	-31.91%	47.48%	39.99%	-47.71%	122.69%	38.57%				
m5	traffic/Population Growth rate of Domestic sea		m1	Number	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
m5a	passenger traffic/Population	_		%												
m6	Amount of International sea cargo throughput per 1000 persons	\	(215) / m1	Unit/1000 persons	5,377.8	4,927.6	2,906.8	2,816.2	2,528.0	2,439.5	2,713.2	2,656.5				
m6a	Growth rate of amount of International sea cargo throughput	-1		%		-8.37%	-41.01%	-3.12%	-10.23%	-3.50%	11.22%	-2.09%				
A.	Maritime transport infrastr	ructure														
201	Number of domestic ports			Count	1	1	1	1	1	1	1	1	1		PORTS	
202	Number of international ports			Count	1	1	1	1	1	1	1	1	1		PORTS	
В.	Maritime transport equipm	nent (vessels)														
203	Number of domestic passenger fleet			Count	N/App	N/App	N/App	N/App	N/App	N/App	102	112			Marine	
204	Number of domestic cargo fleet			Count	N/App	N/App	N/App	N/App	N/App	N/App	11	8			Marine	
	Gross tonnage of domestic passenger fleet			Thousand Ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
206	Gross tonnage of domestic merchant fleet	/		Thousand Ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	14,762			Offshore Fleet
207	Number of international merchant fleet			Count	1,083	1,087	1,093	1,158	992	921	1,068	1,729			PORTS	
208	Number of international container vessel fleet	-		Count	476	475	517	477	397	379	457	505			PORTS	
209	Gross tonnage of international merchant fleet			Thousand Ton	5,399	5,795	5,383	3,983	2,658	2,785	3,306	3,291			PORTS	
210	Gross tonnage of international container vessel fleet			Thousand Ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
C.	Maritime transport measur	rement and traffic														
211	Domestic sea passenger traffic			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				*1
	Domestic sea cargo throughput	. /		Thousand	3	3	2	3	4	2	5	6			PORTS	
	Number of domestic ship calls	~~		ton Thousand	0.103	0.071	0.049	0.051	0.054	0.051	O/C	O/C			PORTS	
	International sea passenger traffic	=		Thousand	N/App	N/App	N/App	N/App	N/App	N/App	1.058	999			PORTS	
				person Thousand							,					
	International sea cargo throughput			ton Thousand	1,893	1,769	1,061	1,042	948	927	1,050	1,044			PORTS	
	International sea container throughput Number of international ship calls			TEUs Thousand	101	108	102	99.0	90.4	85.5	91.6	98.8			PORTS	
				times	1.30	1.40	1.60	1.80	1.97	1.73	1.95	1.88			PORTS	
	River transport infrastruct	luie			A1/A	A1/A	N/A	21/2	A1/A	A1/A	N/A	N/A				
	Number of river ports			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Total waterway route length	(······		Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
E.	River transport equipment Number of passenger river fleet	(vessels)		Count	N/Col	N/Col	N/CoI	N/Col	N/Col	N/Col		5	(23 / 3)		Marine	*2
	(domestic/international)										5				маппе	
	(domestic/international)			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	(12 / 7)			*3
	River transport measurem	lent and traffic		Thousand												
	River passenger traffic (domestic/international)	/		person Thousand	N/App	N/App	N/App	N/App	N/App	N/App	18	28			Marine	*4
	(domestic/international)	line and		ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Others (enterprises, logist	ues and economic	perto	rmance)												
	Total domestic freight volume by sea Total domestic freight movement by			ton Million ton-	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	sea	~		kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Total import cargo by sea			ton	1,753	1,679	1,037	1,021	921	903	1,026	1,021			PORTS	
	Total export cargo by sea	\		ton	140	90.0	24.0	21.0	26.6	24.1	24.0	23.0			PORTS	
	Total domestic freight volume by			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Total domestic freight movement by river			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
230	Total import cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Total export cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
	Water transport accident															
232	The total number of ships involvent in accidents			ships												
	The number of deaths and missing	anded this The		persons	n abar	non th'		DCD/T1	(D	atia\ B	l abus "	matia N				
-1	Data series from 2004 to 2011 were an	nenueu ulis vear. Therefo	າປ. ເກe all	uata nave bee	спапаеа t	nan mis vear	-2	שכט /embu	JULIU (DOME:	ouci Brunei/	Labuan (Inte	mauonal)				

Table 5.2.2 Water Transport of Cambodia (2004 - 2012)

Т	able 5.2.2 Water Transpo	ort of Cambodia ((2004 -	2012)							Country	/AreaCa	mbodia	181,035	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													survey		
m1	Population			Million	13.55	13.83	14.16	14.32	14.56	14.81	14.95	15.10	15.25	World Economic Outlook	IMF	
m1a	Population growth rate	Hallan		%		2.05%	2.42%	1.14%	1.66%	1.67%	1.00%	1.00%	1.00%			
m2	GDP per capita	- Andrews		US\$	393	455	514	603	711	703	753	853	934	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	Tall .s.		%		15.66%	12.86%	17.43%	17.86%	-1.05%	7.00%	13.39%	9.39%			
m3	Number of domestic passenger fleet		(203)/	Unit/Million	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
m3a	per million persons Growth rate of number of domestic		m1	persons %												
	passenger fleet per million persons Amount of domestic sea cargo	,	(212)/	Unit/1000												
m4	throughput per 1000 persons Growth rate of amount of domestic		`m1´	persons	19.9	21.4	24.8	31.6	59.2	106.6						
m4a	sea cargo throughput per 1000 persons Domestic sea passenger		(211)/	%		7.82%	15.78%	27.33%	87.59%	80.06%						
m5	traffic/Population		m1	Number	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
m5a	Growth rate of Domestic sea passenger traffic/Population			%												
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	110.9	99.9	112.1	127.0	141.3	126.6	148.3	161.5	174.3			
m6a	Growth rate of amount of International sea cargo throughput			%		-9.96%	12.20%	13.33%	11.29%	-10.44%	17.13%	8.92%	7.94%			
A.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	7	7	7	7	7	7	7	5	5	Annual Report		
202	Number of international ports			Count	2	2	2	2	2	2	2	3	3	Annual Report	PAS& PPAP	
В.	Maritime transport equipm	nent (vessels)														
203	Number of domestic passenger fleet			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
204	Number of domestic cargo fleet			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
205	Gross tonnage of domestic passenger fleet			Thousand Ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
206	Gross tonnage of domestic merchant fleet			Thousand Ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Number of international merchant	~~		Count	270	253	403	385	474	415					PAS	Port Autonomous of Sihanoukvill (PAS)
208	fleet Number of international container vessel fleet			Count	460	433	509	491	480	432	427	400	443		PAS	(PAS)
	Gross tonnage of international	. /		Thousand	569	357	464	584	743	806					PAS	
	Gross tonnage of international			Ton Thousand	934	1,024	1,123	1,235	1,315	1,068	1,215	1,441	1,572		PAS	
	Maritime transport measu	rement and traffic		Ton		,		7 **	,, ,	,		<u> </u>	,			
	Domestic sea passenger traffic			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Domestic sea cargo throughput	,		Thousand	269	296	351	452	862	1,578	14/001	14/001	10001		CAMSAB	
				ton Thousand							11/0-1	110-1	N/O-I		CAMBAB	
	Number of domestic ship calls	\		times Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col		DAG	
	International sea passenger traffic			person Thousand	801	4.0	17.0	3.0	24.0	40.0	48.4	16.0	40.7		PAS	
	International sea cargo throughput			ton Thousand	1,503	1,381	1,587	1,819	2,058	1,874	2,217	2,439	2,659		PAS	
	International sea container throughput	~~~		TEUs Thousand	0.730	0.686	0.912	0.876	0.954		0.905	0.877	0.941		PAS	
	Number of international ship calls			times	0.730	0.686	0.912	0.876	0.954	0.847	0.905	0.877	0.941		PAS	
	River transport infrastruct	ure									-					
	Number of river ports	····/····		Count	N/Col	N/Col	N/Col	N/Col	N/Col	47	47	47	47		PPAP	
	Total waterway route length			Kilometer	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750		PPAP	
	River transport equipment	(vessels)														Phnom Penh
	Number of passenger river fleet (domestic/international) Number of domestic cargo river fleet			Count	1129/818	755/858	685/999	804/1127	551/1327	735/1348					PPAP	Autonomous Port (PPAP)
221	(domestic/international)			Count	222/1094	110/1186	32/1264	2/1398	0/1543	0/1520	0/1435	0/1583	0/1630		PPAP	
	River transport measurem	ent and traffic		Thouse												
	River passenger traffic (domestic/international)			Thousand person	8/59	2/39	1/43	0.7/49	0/46	0/38	0/49	0/45	0/57		PPAP	
223	River cargo throughput (domestic/international)			Thousand ton	9/141	5/278	2/309	0.2/402	0/460	0/429	0/518	0/584	0/790		PPAP	
G.	Others (enterprises, logist	tics and economic	perfo													
	Total domestic freight volume by sea			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
225	Total domestic freight movement by sea			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
226	Total import cargo by sea			Thousand ton	N/Col	N/Col	N/CoI	N/CoI	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total export cargo by sea			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total domestic freight volume by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
229	Total domestic freight movement by river			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
230	Total import cargo by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
231	Total export cargo by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
G.	Water transport accident															
232	The total number of ships involvent in accidents			ships												
233	The number of deaths and missing			persons												



	Table 5.2.3 Water Trans	sport of Indones	ia (200	4 - 2012)							Counti	yArealno	lonesia	1,904,569	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/administra tive reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	218.29	221.40	224.56	227.76	231.01	234.30	237.64	241.03	244.47	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%			
m2	GDP per capita			US\$	1,178	1,291	1,623	1,898	2,211	2,300	2,986	3,511	3,592	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%	, .	9.62%	25.71%	16.95%	16.54%	3.99%	29.84%	17.58%	2.33%	Outlook		
	Number of domestic passenger fleet			Unit/Million												
m3	per million persons		(203) / m1	persons	1.81	1.86	2.16	2.32	2.57	3.08	3.03	3.05	3.37			
m3a	Growth rate of number of domestic passenger fleet per million persons			%		2.84%	16.06%	7.33%	10.73%	20.04%	-1.82%	0.65%	10.55%			
m4	Amount of domestic sea cargo throughput per 1000 persons Growth rate of amount of domestic		(212) / m1	Unit/1000 persons	859.2	932.0	983.2	1,000.9	1,051.4	1,222.2	1,300.2	1,328.7	1,452.2			
m4a	sea cargo throughput per 1000 persons			%		8.47%	5.50%	1.80%	5.05%	16.24%	6.38%	2.19%	9.29%			
m5	Domestic sea passenger traffic/Population		(211) / m1	Number	32.74	33.30	33.93	31.05	31.16	32.72	21.45	23.47	27.59			
m5a	Growth rate of Domestic sea passenger traffic/Population			%		1.71%	1.90%	-8.50%	0.35%	5.00%	-34.44%	9.45%	17.55%			
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	2,130.5	2,226.6	2,294.1	2,335.4	2,322.3	2,351.5	2,386.8	2,410.0	2,444.8			
m6a	Growth rate of amount of	1.		%		4.51%	3.03%	1.80%	-0.56%	1.26%	1.50%	0.97%	1.44%			
A.	International sea cargo throughput	ructure		<u> </u>								/-	,			
	Maritime transport infrastr	/ /												* Government Regulation KP	D0==	
201	Number of domestic ports	-		Count	1,645	1,667	1,886	1,887	1,895	1,906	2,187	2,187	2,187	* Government Regulation KP 414/2013 about Master Plan of Indonesia Port (RIPN)	DGST	
202	Number of international ports			Count	141	141	141	141	141	141	141	141	141	*2	DGST	
В.	Maritime transport equipm	nent (vessels)			,	-	,									
203	Number of domestic passenger fleet	-		Count	395	412	485	528	593	722	719	734	823		DGST	*1
	Number of domestic cargo fleet			Count	4,055	4,368	4,800	5,332	6,156	6,899	7,608	7,942	8,653	*2	DGST	
205	Gross tonnage of domestic passenger fleet			Thousand Ton	291	302	353	384	426	510	508	512	700	*3	DGST	
206	Gross tonnage of domestic merchant fleet			Thousand Ton	4,421	4,938	5,499	6,683	8,209	5,022	11,666	15,197	15,450		DGST	
207	Number of international merchant fleet			Count	5,827	5,838	5,951	5,757	5,805	5,722	4,056	3,899	4,065		DGST	
208	Number of international container vessel fleet			Count	726	660	612	754	771	788	827	935	983		DGST	
209	Gross tonnage of international merchant fleet			Thousand Ton	170,343	170,343	117,376	173,603	117,426	103,341	77,795	57,216	59,390		DGST	
210	Gross tonnage of international container vessel fleet			Thousand Ton	18,025	16,385	15,201	18,727	19,128	19,558	20,524	23,209	24,764		DGST	
C.	Maritime transport measur	rement and traffic	:	10												
211	Domestic sea passenger traffic	-		Thousand	7,147	7,373	7,620	7,072	7,198	7,666	5,097	5,658	6,746	•1	DGST	
	Domestic sea cargo throughput			Thousand	187,557	206,336	220,780	227,955	242,890	286,367	308,990	320,268	355,023	*2	DGST	
	Number of domestic ship calls			Thousand	291	281	268	275	277	275	302	317	282	-	DGST	
	·			Thousand	-											
	International sea passenger traffic	~		person Thousand	1,336	1,735	1,560	2,059	1,720	1,815	1,723	1,797	1,933		DGST	
	International sea cargo throughput	/		ton	465,067	492,970	515,154	531,896	536,470	550,955	567,208	580,878	597,665		DGST	
	urrougnput	~		TEUs	408	371	344	424	433	443	465	525	551		DGST	
217	Number of international ship calls			Thousand times	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
D.	River transport infrastruct	ure														
218	Number of river ports			Count	128	144	150	165	175	175	173	183	184	DGLT	IW	
219	Total waterway route length			Kilometer	2,296	2,583	2,690	2,959	3,139	3,139	3,139	3,139	3,139	DGLT		
E.	River transport equipment	t (vessels)														
220	Number of passenger river fleet (domestic/international)			Count	187	191	191	196	196	192	221	242	267	DGLT	IW	
221	Number of domestic cargo river fleet (domestic/international)			Count	50	60	93	93	84	89	89	89	89	DGLT		
F.	River transport measurem	ent and traffic														
222	River passenger traffic (domestic/international)			Thousand person	27,603	26,502	27,830	40,558	46,926	61,012	39,683	52,589	58,673	DGLT	IW	
223	River cargo throughput (domestic/international)			Thousand ton	16,607	25,187	25,422	31,937	41,079	44,869	54,127	54,127	48,591	DGLT		
G.	Others (enterprises, logist	tics and economic	perfor	mance)											DGLT	
224	Total domestic freight volume by sea			Thousand ton	187,557	206,336	220,780	227,955	242,890	286,367	308,990	320,990	355,023	"1		
	Total domestic freight movement by sea			Million ton- kilometer		206	220	227	242	286	309	320	354			
	Total import cargo by sea			Thousand	9,405	9,874	10,432	10,771	13,252	16,719	17,343	14,600	14,852			
	Total export cargo by sea			Thousand	17,197	18,131	19,055	20,611	24,945	32,574	33,819	40,583	44,914			
	Total domestic freight volume by			Thousand	0/C	0/C	0/C	0/C	0/C	0/C	0/C	0/C	0/C			
	river Total domestic freight movement by			ton Million ton-	1.1											
	river			kilometer	O/C	O/C	O/C	O/C	O/C	O/C	O/C	0/C	O/C			
	Total import cargo by river			ton Thousand	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	0/0			
	Total export cargo by river			ton	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	0/0			
G.	Water transport accident The total number of ships involvent															
	une rotal number of chine involvent	_ ^		ships	15	14	3	26	30	22	17	41	10		DGST	
232	in accidents	~ ~ \		-												
233	in accidents The number of deaths and missing Law of The Republic of Indonesia N	X_{∞}		persons	61 Governme	131	727	221	92	247	65	343	44	esia Number20 Of 20	DGST	

Table 5.2.4	Water	Tranci	nort of	l an	DDB	(2004 -	2012)
1 able 5.2.4	water	Halls	וט ז זטע	Lau	run	(2004 -	2012)

	able 5.2.4 Water Transpo	0. 200 : 2 (2		,							Co	ountryAr	eaLaos	236,800	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	5.67	5.75	5.84	5.93	6.02	6.11	6.20	6.29	6.38	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.52%	1.55%	1.52%	1.53%	1.49%	1.46%	1.40%	1.40%			
m2	GDP per capita			US\$	419	474	610	712	879	916	1,105	1,320	1,446	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	-1-1 11		%		12.97%	28.78%	16.77%	23.37%	4.19%	20.71%	19.43%	9.49%			
m3	Number of domestic passenger fleet		(203) /	Unit/Million	4.59	4.52	5.65	5.56	5.48	5.40	5.32	4.13	4.08			
m3a	per million persons Growth rate of number of domestic		m1	persons %		-1.49%	24.99%	-1.50%	-1.51%	-1.47%	-1.44%	-22.30%	-1.38%			
	Amount of domestic sea cargo		(212)/	/6 Unit/1000												
m4	throughput per 1000 persons Growth rate of amount of domestic		m1	persons	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m4a	sea cargo throughput per 1000 persons		(044) (%												
m5	Domestic sea passenger traffic/Population		(211) / m1	Number	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m5a	Growth rate of Domestic sea passenger traffic/Population			%												
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m6a	Growth rate of amount of International sea cargo throughput			%												
A.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	23	23	24	25	27	27	27	27	27	MPWT	WD	
202	Number of international ports			Count	1	1	1	1	1	1	1	1	1			
В.	Maritime transport equipm	nent (vessels)														
203	Number of domestic passenger fleet	/		Count	26	26	33	33	33	33	33	26	26			
204	Number of domestic cargo fleet			Count	8	8	14	15	19	19	19	14	14			
205	Gross tonnage of domestic passenger fleet			Thousand Ton	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
	Gross tonnage of domestic merchant fleet			Thousand	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30			
207	Number of international merchant fleet			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
208	Number of international container			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Gross tonnage of international merchant fleet			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Gross tonnage of international container vessel fleet			Ton Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
C.	Maritime transport measu	rement and traffic		Ton												
	Domestic sea passenger traffic			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Domestic sea cargo throughput			person Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Number of domestic ship calls			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	International sea passenger traffic			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	International sea cargo throughput			person Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	International sea container throughput			Thousand TEUs	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Number of international ship calls			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	River transport infrastruct	ure		times					**				•			
	Number of river ports			Count	24	24	25	26	28	28	28	28	28			
	Total waterway route length			Kilometer	1,954			1,954	1,954		1,954	1,954	1,954			
	River transport equipment	t (vessels)			,,,,	7**	7**	,,,,	,,,,	7**	,,,,	,,,,	***			
	Number of passenger river fleet (domestic/international)	/		Count	26	26	33	33	33	33	33	26	26	MPWT	WD	
221	Number of domestic cargo river fleet	-		Count	8	8	14	15	19	19	19	14	14			
F.	(domestic/international) River transport measurem	ent and traffic			J						اٽ.		,			
	River passenger traffic (domestic/international)	~ ~		Thousand	1,572	1,570	1,916	1,953	1,811	1,810	2,053	1,899	2,178			
222	Diver cores throughout			person Thousand	663	621	598	767	883	960	1,088	993	1,131			
	(domestic/international) Others (enterprises, logist	tice and economic		ton	003	021	598	707	003	900	1,000	993	1,131			
	Total domestic freight volume by sea	and economic	Periol	Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total domestic freight movement by			Million ton-												
225	sea			kilometer Thousand	N/App N/App	N/App	N/App N/App	N/App	N/App N/App	N/App	N/App N/App	N/App	N/App			
	Total import cargo by sea Total export cargo by sea			ton Thousand		N/App N/App		N/App		N/App			N/App			
	Total domestic freight volume by			ton Thousand	N/App 663	621	N/App 598	N/App	N/App 883	N/App 960	N/App 1,088	N/App 993	1,131			
	Total domestic freight movement by	~		ton Million ton-	40	621	598	767 68	61	960	70	53	1,131			
	river Total import cargo by river	/ - V		kilometer Thousand	40	41	43	80	10	80	70	N/Col	N/Col			
				ton Thousand							-	N/Col	N/Col			
	Total export cargo by river			ton								N/Col	N/Col			
	Water transport accident The total number of ships involvent in accidents			ships	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/Am-	N/App			
												N/App				
233	The number of deaths and missing			persons	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			

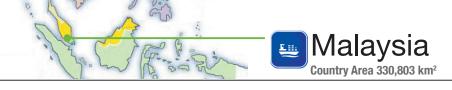


Table 5.2.5 Water	Transport	of Malay	rsia (200	4 - 2012)

'	able 5.2.5 Water Transpo	ort Or Malaysia (2									Count	ryAreaM	alaysia	330,803	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census,	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													survey)		
m1	Population			Million	25.91	26.48	26.83	27.19	27.54	28.08	28.59	28.96	29.46	World Economic Outlook	IMF	
m1a	Population growth rate	Invelled.		%		2.21%	1.34%	1.32%	1.31%	1.96%	1.81%	1.31%	1.70%			
m2	GDP per capita			uss	4,816	5,421	6,066	7,122	8,390	7,203	8,634	9,941	10,304	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		12.58%	11.88%	17.41%	17.81%	-14.15%	19.86%	15.14%	3.65%			
m3	Number of domestic passenger fleet per million persons	~ /	(203) / m1	Unit/Million	0.66	0.68	0.37	0.33	0.29	0.68	0.24	0.52	0.95			
	Growth rate of number of domestic			persons %		3.59%	-45.18%	-11.17%	-12.26%	132.92%	-63.81%	111.51%	83.54%			
	passenger fleet per million persons Amount of domestic sea cargo		(212)/	Unit/1000	5.300.5	5,469.4	5,927.0	6,062.5	6,363.2	5,814.9	6,401.6	6,846.1	6,702.3			
	throughput per 1000 persons Growth rate of amount of domestic	• II-0 - II	m1	persons %	3,300.3			2.29%		-8.62%	•					
	sea cargo throughput per 1000 persons Domestic sea passenger		(211)/			3.19%	8.37%		4.96%	408.16	10.09% 511.39	6.94% 508.15	-2.10% 508.20			
	Domestic sea passenger traffic/Population Growth rate of Domestic sea	1	m1	Number	0/C	O/C	O/C	O/C	0/	408.16						
IIIJa	passenger traffic/Population		(01E) /	% Umit/1000							25.29%	-0.63%	0.01%			
0	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	4,921.8	4,804.6	4,746.0	5,301.9	5,583.7	4,948.3	5,911.3	6,490.7	6,356.3			
m6a	Growth rate of amount of International sea cargo throughput	╌╌┇╸╻┇┇		%		-2.38%	-1.22%	11.71%	5.31%	-11.38%	19.46%	9.80%	-2.07%			
A.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	O/C	o/c	o/c	5	14	14	14	13	13	Port, Cargo And Barter Trade Management Unit	МДМ	
202	Number of international ports			Count	9	9	9	10	10	10	10	15	15	Port, Cargo And Barter Trade Management Unit	МДМ	
В.	Maritime transport equipm	nent (vessels)														
203	Number of domestic passenger fleet	~~		Count	17	18	10	9	8	19	7	15	28	Ship Registeration Unit	MDM	
204	Number of domestic cargo fleet			Count	8	1	5	17	18	5	5	25	58	Ship Registeration Unit	MDM	
205	Gross tonnage of domestic passenger fleet	\ \ \		Thousand Ton	4,612	3,810	1,575	9,468	1,493	1,188	1,566	2,196	6,387	Ship Registeration Unit	МДМ	
206	Gross tonnage of domestic merchant fleet			Thousand Ton	10,821	6,269	19,455	16,804	17,784	2,867	21,120	43,858	80,339	Ship Registeration Unit	MDM	
	Number of international merchant fleet			Count	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C			
200	Number of international container vessel fleet			Count	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C			
	Gross tonnage of international merchant fleet			Thousand Ton	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C			
040																
210	Gross tonnage of international container vessel fleet			Thousand Ton	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C			
	container vessel fleet Maritime transport measu	rement and traffic		Thousand Ton	O/C	0/0	O/C	O/C	O/C	O/C	0/0	0/C	0/0			
C.	container vessel fleet	rement and traffic		Thousand	0/C	0/C	O/C	0/C	O/C	0/C 11462	14620	O/C	14970	Port, Cargo And Barter Trade	МДМ	
C.	container vessel fleet Maritime transport measu	rement and traffic		Thousand person Thousand		O/C								Port, Cargo And Barter Trade Management Unit	MDM MOT Statistics Malaysia	
C. 211 212	Maritime transport measu	rement and traffic		Thousand person Thousand ton Thousand	O/C		O/C	O/C	O/C	11462	14620	14718	14970	Port, Cargo And Barter Trade		
211 212 213	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls	rement and traffic		Thousand person Thousand ton Thousand times Thousand	O/C 137,309 O/C	O/C 144,814 O/C	O/C 159,032 O/C	O/C 164,815 O/C	O/C 175,249 30	11462 163,295 32	14620 183,014 39	14718 198,290 64	14970 197,429 33	Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia	
211 212 213 214	Maritime transport measurements of the season of the seaso	rement and traffic		Thousand person Thousand ton Thousand times Thousand person Thousand	O/C 137,309 O/C 1652	O/C 144,814 O/C 2459	O/C 159,032 O/C 1496	O/C 164,815 O/C 1331	O/C 175,249 30 2309	11462 163,295 32 1998	14620 183,014 39 4348	14718 198,290 64 3050	14970 197,429 33 2137	Port, Cargo And Barter Trade	MOT Statistics Malaysia	
211 212 213 214 215	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput	rement and traffic		Thousand person Thousand ton Thousand times Thousand person Thousand person Thousand ton Thousand	O/C 137,309 O/C 1652 127,499	O/C 144,814 O/C 2459 127,211	O/C 159,032 O/C 1496 127,345	O/C 164,815 O/C 1331 144,138	O/C 175,249 30 2309 153,780	11462 163,295 32 1998 138,957	14620 183,014 39 4348 168,999	14718 198,290 64 3050 187,997	14970 197,429 33 2137 187,237	Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM	
211 212 213 214 215 216	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea cargo throughput International sea container throughput	rement and traffic		Thousand person Thousand ton Thousand times Thousand person Thousand person Thousand Thousand Thousand Thousand TEUs Thousand	O/C 137,309 O/C 1652 127,499	O/C 144,814 O/C 2459 127,211 4,848	O/C 159,032 O/C 1496 127,345 5,227	O/C 164,815 O/C 1331 144,138	O/C 175,249 30 2309 153,780 6047	11462 163,295 32 1998 138,957 5684	14620 183,014 39 4348 168,999 6,464	14718 198,290 64 3050 187,997 6,720	14970 197,429 33 2137 187,237 6,956	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOM MOT Statistics Malaysia	
211 212 213 214 215 216 217	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls			Thousand person Thousand ton Thousand times Thousand person Thousand person Thousand person Thousand ton Thousand ton	O/C 137,309 O/C 1652 127,499	O/C 144,814 O/C 2459 127,211	O/C 159,032 O/C 1496 127,345	O/C 164,815 O/C 1331 144,138	O/C 175,249 30 2309 153,780	11462 163,295 32 1998 138,957	14620 183,014 39 4348 168,999	14718 198,290 64 3050 187,997	14970 197,429 33 2137 187,237	Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217	Maritime transport measure Maritime transport measure Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct			Thousand person Thousand ton Thousand times Thousand person Thousand person Thousand ton Thousand ton Thousand ton Thousand ton	O/C 137,309 O/C 1652 127,499 4,870 O/C	O/C 144,814 O/C 2459 127,211 4,848 O/C	0/C 159,032 0/C 1496 127,345 5,227	O/C 164,815 O/C 1331 144,138 5663 O/C	0/C 175,249 30 2309 153,780 6047 48	11462 163,295 32 1998 138,957 5684	14620 183,014 39 4348 168,999 6,464	14718 198,290 64 3050 187,997 6,720	14970 197,429 33 2137 187,237 6,956	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D.	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports			Thousand person Thousand ton Thousand times Thousand person Thousand person Thousand Thousand Thousand Thousand TEUs Thousand	O/C 137,309 O/C 1652 127,499 4,870 O/C	O/C 144,814 O/C 2459 127,211 4,848	O/C 159,032 O/C 1496 127,345 5,227	O/C 164,815 O/C 1331 144,138	O/C 175,249 30 2309 153,780 6047	11462 163,295 32 1998 138,957 5684	14620 183,014 39 4348 168,999 6,464	14718 198,290 64 3050 187,997 6,720	14970 197,429 33 2137 187,237 6,956	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length	ure		Thousand person Thousand times Thousand times Thousand times Thousand	O/C 137,309 O/C 1652 127,499 4,870 O/C	O/C 144,814 O/C 2459 127,211 4,848 O/C	0/C 159,032 0/C 1496 127,345 5,227 0/C	O/C 164,815 O/C 1331 144,138 5663 O/C	0/C 175,249 30 2309 153,780 6047 48	11462 163,295 32 1998 138,957 5684 47	14620 183,014 39 4348 168,999 6,464 46	14718 198,290 64 3050 187,997 6,720 96	14970 197,429 33 2137 187,237 6,956 31	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment	ure		Thousand person Thousand ton Thousand times Thousand times Thousand times Thousand ton Thousand ton Count Kilometer	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96	14970 197,429 33 2137 187,237 6,956 31	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E.	Maritime transport measul Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic cargo river fleet (domestic circle read read of the cargo river fleet (domestic circle read read of the cargo river fleet	ure		Thousand person Thousand ton Thousand times Thousand ton Thousand times Count Kilometer Count Count	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	O/C 164,815 O/C 1331 144,138 5663 O/C N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220	Maritime transport measure Maritime transport measure Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international)	ure (vessels)		Thousand person Thousand ton Thousand times Thousand times Thousand times Thousand ton Thousand ton Count Kilometer	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96	14970 197,429 33 2137 187,237 6,956 31	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221	Maritime transport measure Maritime transport measure Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) Number of domestic cargo river fleet (domestic/international) River transport measurem	ure (vessels)		Thousand person Thousand ton Thousand times Thousand ton Thousand ton Thousand ton Thousand ton Thousand ton Count Kilometer Count Count	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F.	Maritime transport measurements of the same of the sam	ure (vessels)		Thousand person Thousand ton Thousand	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container of the contai	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand ton Thousand ton Thousand ten Thousand ton Thousand ten Count Kilometer Count Count Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G.	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container of the contai	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand ton Thousand ton Thousand ton Thousand ten Count Kilometer Count Count Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container of the contai	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand ton Thousand ton Thousand ton Thousand ten Count Count Count Thousand times Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225	Maritime transport measure Maritime transport measure Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea cargo throughput International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of domestic cargo river fleet (domestic/international) River transport measurem River passenger traffic (domestic/international) River transport measurem River passenger traffic (domestic/international) Others (enterprises, logist Total domestic freight wovement by sea	ure (vessels)		Thousand person Thousand ton Thousand Thousand Thousand Thousand Thousand Trousand Trou	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cot N/Cot N/Cot N/Cot	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226	Container vessel fleet Maritime transport measur Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of domestic cargo river fleet (domestic/international) River transport measurem River passenger traffic (domestic/international) River transport measurem River passenger traffic (domestic/international) Cothers (enterprises, logist Total domestic freight volume by sea Total import cargo by sea	ure (vessels)		Thousand person Thousand ton Thousand	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cot N/Cot N/Cot N/Cot N/Cot	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226	Maritime transport measurements of the domestic international sea cargo throughput international sea container throughput international sea container throughput international sea container throughput international ship calls River transport infrastruct Number of international ship calls River transport equipment (admension for the protect of the pro	ure (vessels)		Thousand person Thousand times Thousand ton Thousand Th	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cot N/Cot N/Cot N/Cot	14970 197,429 33 2137 187,237 6,956 31 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226 227 228	Maritime transport measurements of the transport infrastruct measurements of the transport measurements of the tra	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand times Thousand times Thousand times Thousand times Count Count Count Thousand times Count Thousand times Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cot N/Cot N/Cot N/Cot N/Cot	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 211 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 227 228	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container vessel fleet Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) River passenger traffic (domestic/international) River transport measurement River passenger traffic (domestic/international) Others (enterprises, logist Total domestic freight wolume by sea Total import cargo by sea Total import cargo by sea	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand ton Thousand times Thousand times Thousand times Thousand times Count Count Count Thousand	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 2111 2122 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226 227 228	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container vessel fleet Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea cargo throughput International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) River transport measurem River passenger traffic (domestic/international) River cargo throughput (domestic/international) Others (enterprises, logist Total domestic freight wolume by sea Total domestic freight movement by sea Total domestic freight volume by river Total domestic freight volume by river total domestic freight wolume by river total domestic freight wolume by	ure (vessels)		Thousand person Thousand ton Thousand ton Thousand ton Thousand times Thousand ton Thousand times Count Count Count Thousand times Count Thousand times Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	0/C 164,815 0/C 1331 144,138 5663 0/C N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 2111 2122 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 233 G. 224 225 227 228	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container vessel fleet Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea container throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) River transport measurement River passenger traffic (domestic/international) River transport measurement River passenger traffic (domestic/international) Others (enterprises, logist Total domestic freight volume by sea Total domestic freight movement by Total domestic freight volume by Total domestic freight wolume by	ure (vessels)		Thousand person Thousand ton Thousand times Count Count Thousand times Thousand ton	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 2111 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226 227 228 229 230 231 G.	Maritime transport measurements of the container vessel fleet Maritime transport measurements of the container vessel fleet Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea container throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) River transport measurement River passenger traffic (domestic/international) River transport measurement River passenger traffic (domestic/international) Others (enterprises, logist Total domestic freight volume by sea Total domestic freight movement by sea Total domestic freight volume by river Total domestic freight wolume by river Total domestic freight wolume by river Total domestic freight movement by river Total domestic freight movement by river Total domestic freight movement by river Total domestic freight wolume by river Total domestic freight wolume by river Total domestic freight movement by river Total domestic freight py river	ure (vessels)		Thousand person Thousand ton Thousand times Count Count Thousand times Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	
C. 2111 212 213 214 215 216 217 D. 218 219 E. 220 221 F. 222 223 G. 224 225 226 227 228 229 230 231 G.	Maritime transport measurem Maritime transport measurem Domestic sea passenger traffic Domestic sea cargo throughput Number of domestic ship calls International sea passenger traffic International sea cargo throughput International sea cargo throughput International sea container throughput Number of international ship calls River transport infrastruct Number of river ports Total waterway route length River transport equipment Number of passenger river fleet (domestic/international) River transport measurem River passenger traffic (domestic/international) River transport measurem River passenger traffic (domestic/international) River transport measurem River passenger traffic (domestic/international) Others (enterprises, logist Total domestic freight volume by sea Total domestic freight movement by sea Total domestic freight volume by Total domestic freight volume by Total domestic freight movement by	ure (vessels)		Thousand person Thousand ton Thousand times Count Count Thousand times Thousand times	0/C 137,309 0/C 1652 127,499 4,870 0/C N/Cont	0/C 144,814 0/C 2459 127,211 4,848 0/C N/Cont	0/C 159,032 0/C 1496 127,345 5,227 0/C N/Cont	N/Cont	0/C 175,249 30 2309 153,780 6047 48 N/Cont	11462 163,295 32 1998 138,957 5684 47 N/Cont	14620 183,014 39 4348 168,999 6,464 46 N/Cont	14718 198,290 64 3050 187,997 6,720 96 N/Cont	14970 197,429 33 2137 187,237 6,956 31 N/Cont	Port, Cargo And Barter Trade Management Unit Port, Cargo And Barter Trade Management Unit	MOT Statistics Malaysia MDM MDM MOT Statistics Malaysia	

Т	able 5.2.6 Water Transpo	rt of Myanmar (2	2004 -	2012)							Count	ryAreaM	yanmar	678,500	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census,	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													survey]		
m1	Population			Million	54.30	55.39	56.51	57.64	58.80	59.98	61.19	62.42	63.67	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%			
m2	GDP per capita			us\$	195	216	257	350	533	587	742	824	835	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		11.20%	18.60%	36.42%	52.35%	10.09%	26.29%	11.13%	1.26%			
m3	Number of domestic passenger fleet per million persons		(203) / m1	Unit/Million persons				0.28	0.27	0.27	0.20	0.19	0.22			
тЗа	Growth rate of number of domestic passenger fleet per million persons			%					-1.97%	-1.97%	-26.48%	-1.97%	14.37%			
m4	Amount of domestic sea cargo throughput per 1000 persons		(212) / m1	Unit/1000 persons	29.0	26.7	32.1	37.8	32.7	31.8	41.2	38.8	42.4			
m4a	Growth rate of amount of domestic sea cargo throughput per 1000			%		-8.01%	20.53%	17.68%	-13.62%	-2.69%	29.49%	-5.78%	9.37%			
m5	persons Domestic sea passenger traffic/Population		(211) / m1	Number	6.03	6.61	6.62	6.53	5.78	3.42	2.46	1.36	1.16			
m5a	Growth rate of Domestic sea passenger traffic/Population	-111-		%		9.54%	0.24%	-1.32%	-11.51%	-40.83%	-28.21%	-44.51%	-14.84%			
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	180.5	183.8	193.9	189.6	212.0	322.9	323.6	345.1	386.1			
m6a	Growth rate of amount of International sea cargo throughput			%		1.85%	5.48%	-2.21%	11.82%	52.30%	0.22%	6.66%	11.88%			
Α.	Maritime transport infrastr	ructure														
201	Number of domestic ports			Count	9	9	9	9	9	9	9	9	9		MPA	
202	Number of international ports			Count	9	9	9	9	9	9	9	9	9		MPA	
	Maritime transport equipm	nent (vessels)														
	Number of domestic passenger fleet			Count				16	16	16	12	12	14		DMA	*1
	Number of domestic cargo fleet			Count				116	116	139	104	122	147		DMA	
205	Gross tonnage of domestic			Thousand				10.76	11.75	12.13	10.67	10.67	10.81		DMA	
l	passenger fleet Gross tonnage of domestic merchant fleet			Thousand				47.46	47.46	44.16	73.46	93.77	109.49		DMA	
	Number of international merchant fleet	7,		Ton Count				20	23	12	19	19	19		DMA	
208	Number of international container	··· ·		Count				4	4	4	2	2	2		DMA	
	vessel fleet Gross tonnage of international merchant fleet			Thousand				135.66	155.01	239.60	131.55	112.76	112.67		DMA	
				Ton Thousand				39.55	39.55	37.80	19.77	19.17	19.17		DMA	
	Gross tonnage of international container vessel fleet Maritime transport measure	rement and traffic		Ton												
	Domestic sea passenger traffic			Thousand	327.4	365.9	374.1	376.6	340.0	205.2	150.3	85.1	73.9		MPA	*2
	Domestic sea cargo throughput			Thousand	1,574	1,477	1,816	2,180	1,921	1,907	2,519	2,421	2,701		MPA	
	Number of domestic ship calls			ton Thousand	1.40	1.21	1.05	1.22	1.00	0.81	0.91	1.06	1.18		MPA	
	International sea passenger traffic	-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Thousand	3.87	3.07	7.03	3.57	5.08	3.42	1.14	6.97	6.31		MPA	
	International sea cargo throughput	-		person Thousand	9,799	10,181	10,955	10,928	12,465	19,366	19,798	21,541	24,584		MPA	
	International sea container throughput			Thousand	116	172	197	267	264	303	347	408	478		MPA	
	Number of international ship calls			TEUs Thousand times	1.69	1.23	1.31	1.34	1.45	1.74	2.02	2.16	2.20		MPA	
	River transport infrastruct	ure		unies												
	Number of river ports			Count	249	249	249	249	249	249	235	235	235		IWT	*3
	Total waterway route length	····/		Kilometer	21,561	21,561	21,561	21,561	21,561	21,561	16,055	12,775	13,046		IWT	*4
	River transport equipment	t (vessels)														
	Number of passenger river fleet (domestic/international)			Count	197	200	201	194	195	173	163	151	148		IWT	*5
	Number of domestic cargo river fleet (domestic/international)			Count	105	103	100	103	100	96	89	80	79		IWT	*6
F.	River transport measurem	ent and traffic														
	River passenger traffic (domestic/international)	/		Thousand person	24,719	25,345	26,328	26,886	27,418	27,109	27,571	23,434	33,376		DMA+IWT	
	River cargo throughput (domestic/international)	/		Thousand ton	4,307	4,262	4,284	4,479	4,657	4,684	4,791	3,996	5,256		DMA+IWT	
G.	Others (enterprises, logist	tics and economic	perfo													
	Total domestic freight volume by sea			Thousand ton	1,574	1,477	1,816	2,180	1,921	1,907	2,519	2,421	2,701		MPA	
	Total domestic freight movement by sea	-		Million ton- kilometer	4,792	4,786	5,044	6,470	6,638	6,353	7,830	8,272	9,238		MPA	
	Total import cargo by sea			Thousand ton	5,833	5,841	5,896	6,822	6,421	8,803	12,349	14,131	18,182		MPA	
227	Total export cargo by sea			Thousand ton	5,538	5,817	6,107	6,286	7,965	12,170	9,968	9,831	9,103		MPA	
	Total domestic freight volume by river			Thousand ton	4,307	4,262	4,284	4,479	4,513	4,733	4,767	3,997	2,149		IWT	
	Total domestic freight movement by river			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	1,092	1,394	999	1,120		DMA+IWT	
	Total import cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total export cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Water transport accident			ion .						• • •	• •					
	The total number of ships involvent in accidents			ships	4	11	11	21	12	16	13	9	17		DMA	
	in accidents The number of deaths and missing	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		persons	2	0	1	3	0	54	19	1	33		DMA	
l	Count over 100 gross tonnage	· · · · · · · · · · · · · · · · · · ·	*2	Data series from	2004 to 2011	were amende	d this year T	herefore the	all data have t					service route for t		

^{*1} Count over 100 gross tonnage
*4 Reduced the service route for the year of 2010

² Data series from 2004 to 2011 were amended this year. Therefore, the all data have been changed than this year 5 Write out of vessels after 2008 Nargis Cyslone

^{*3} Reduced the service route for the year of 2010
*6 Write out of vessels after 2008 Nargis Cyslone



Table 5.2.7 Water Transport of Philippines (2004 - 2012)

	e 5.2.7 Water Transport o									(Country	AreaPhili	ppines	299,764	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census,	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous		definition											survey]		
m1	Population			Million	83.56	85.26	86.97	88.71	90.50	91.00	92.60	94.20	95.80	World Economic Outlook	IMF	
m1a	Population growth rate	1111 111		%		2.03%	2.01%	2.00%	2.02%	0.55%	1.76%	1.73%	1.70%	Guildok		
m2	GDP per capita	-		US\$	1,093	1,209	1,405	1,684	1,918	1,851	2,155	2,386	2,614	World Economic Outlook	IMF	
	Growth rate of GDP per capita			%	1,000									Outlook		
m2a	Number of domestic passenger fleet		(203) /	Unit/Million		10.56%	16.24%	19.82%	13.93%	-3.48%	16.42%	10.70%	9.56%			
m3	per million persons Growth rate of number of domestic		(203) / m1	persons	17.88	14.49	7.35	10.60	14.48	24.51	28.51	44.97	50.49			
m3a	passenger fleet per million persons		(040) (%		-18.98%	-49.28%	44.22%	36.61%	69.29%	16.34%	57.73%	12.28%			
m4	Amount of domestic sea cargo throughput per 1000 persons Growth rate of amount of domestic	-	(212) / m1	Unit/1000 persons	981.5	931.3	837.5	840.8	795.6	785.5	753.7	786.8	808.7			
m4a	sea cargo throughput per 1000 persons			%		-5.11%	-10.07%	0.39%	-5.38%	-1.26%	-4.05%	4.38%	2.79%			
m5	Domestic sea passenger traffic/Population	\\	(211) / m1	Number	634.25	570.63	489.32	500.83	484.76	478.64	569.14	513.31	554.86			
m5a	Growth rate of Domestic sea passenger traffic/Population	╌╻┰╌╌┸╻╸		%		-10.03%	-14.25%	2.35%	-3.21%	-1.26%	18.91%	-9.81%	8.09%			
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	842.0	889.4	937.1	933.9	816.5	865.9	1,043.2	1,100.4	1,235.1			
m6a	Growth rate of amount of International sea cargo throughput			%		5.63%	5.36%	-0.34%	-12.57%	6.04%	20.47%	5.48%	12.24%			
Α.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	416	413	413	413	413	413	82	180	211	Yearly Operartional	PPA	*1
202	Number of international ports			Count	13	13		13	13	13	22	35	38	Report Yearly Operartional	PPA	*2
В.	Maritime transport equipm	nent (vessels)					,,,		,0			30	,,,	Report		
	Number of domestic passenger fleet			Count	1,494	1,235	639	940	1,310	2,230	2,640	4,236	4837	Yearly Report	MARINA	*3
				Count	1,190	1,010	511	853	1,144	1,297	1,435	2,122	2291		MARINA	*4
	Number of domestic cargo fleet Gross tonnage of domestic passenger fleet			Thousand	1,190	1,010	389	386	1,144	1,297	1,435	451	455	Yearly Report Yearly Report	MARINA	*5
	passenger fleet Gross tonnage of domestic merchant			Ton Thousand												
	noot			Ton	1,003	1,080	954	1,005	1,227	1,560	1,578	1,763	1,886	Yearly Report	MARINA	*6
	Number of international merchant fleet Number of international container			Count	169	165	157	156	164	172	170	167	126	Yearly Report	MARINA	*7
208	vessel fleet	\sim		Count	4	5	4	4	4	6	7	7	5	Yearly Report	MARINA	*8
209	merchant neet			Thousand Ton	5,780	5,770	5,460	5,400	5,417	5,778	3,835	3,884	3,088	Yearly Report	MARINA	*9
210	Gross tonnage of international container vessel fleet			Thousand Ton	N/Col	N/Col	N/Col	197	197	225	254	254	236	Yearly Report	MARINA	*10
C.	Maritime transport measu	rement and traffic														
211	Domestic sea passenger traffic	\sim		Thousand person	52,998	48,652	42,556	44,429	43,871	43,556	52,702	48,354	53,156	Yearly Operartional Report	PPA	*11
212	Domestic sea cargo throughput	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Thousand ton	82,011	79,405	72,840	74,591	72,001	71,484	69,797	74,113	77,474	Yearly Operartional Report	PPA	*12
213	Number of domestic ship calls	/		Thousand times	85.568	309.856	296	304	302	300	335	331	335	Yearly Operartional Report	PPA	*13
214	International sea passenger traffic			Thousand person	14.6	17.7	24.5	40.1	46.8	45.6	37.0	58.0	54.0	Yearly Operartional Report	PPA	*14
215	International sea cargo throughput			Thousand ton	70,361	75,832	81,500	82,846	73,897	78,798	96,599	103,657	118,325	Yearly Operartional Report	PPA	*15
216	International sea container throughput			Thousand TEUs	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	2,970	3,146	Yearly Operartional Report		
217	Number of international ship calls	~~/		Thousand times	10.0	9.9	9.8	10.3	9.7	9.6	11.0	11.0	11.0	Yearly Operartional Report	PPA	*16
D.	River transport infrastruct	ure														
218	Number of river ports			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
219	Total waterway route length			Kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
E.	River transport equipment	t (vessels)														
	Number of passenger river fleet (domestic/international)			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
221	Number of domestic cargo river fleet			Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			*17
	(domestic/international) River transport measurem	ent and traffic														
	River passenger traffic (domestic/international)			Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	(domestic/international) River cargo throughput (domestic/international)			person Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	(domestic/international) Others (enterprises, logist	ics and economic		ton	14001						74001		.4001			
	Total domestic freight volume by sea	una economic	Periol	Thousand	N/Col	N/Col	N/CoI	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total domestic freight wolume by sea			ton Million ton-												
	sea			kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total import cargo by sea			ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total domestic freight volume by			ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Total domestic freight volume by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
229	Total domestic freight movement by river			Million ton- kilometer	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
230	Total import cargo by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
231	Total export cargo by river			Thousand ton	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Water transport accident															
232	The total number of ships involvent in accidents			ships	216	109	100	97	158	296	268	377	434	PCG (CG3)		
	The number of deaths and missing			persons	260	72		179	1328	212	209	168	142	PCG (CG3)		
*1	NOTE: 2010 Data of Noof Domestic Port	s (Ports cathering domestic	shipcalls)	and Internations	l Ports base o	on those cathe	rina Foreian	ressels). (CO	UNT THEM)	*2	International	Ports Report	*3	Domestic Pax Fle	et Report	

^{*3} Domestic Pax Fleet Report
*8 Int'l Container Vessel Report
anged than this year.
*16 Int'l Ship Calls Report

¹¹ NOTE: 2010 Data of No. of Domestic Ports (Ports cat
4 Domestic Cargo Fleet Report
9 GRT Int'l Merchant Fleet Report
12 Domestic Sea Cargo Throughput Report
17 Total Indicator Number does not includes "indicator w

nestic shipcalls) and International Ports base on those cathering Foreign vessels). (COUNT THEM)

'5 GRT Domestic Pax Fleet Report

'6 GRT Domestic Pax Fleet Report

'10 GRT Confiner Vessel Fleet Report

'11 Data Serialized Fleet Report

'11 Data Serialized Fleet Report

'13 Domestic Ship Calls Report

'14 Int'l Sea Pax Traffic Report

'15 Int'l Sea Cargo Throughput Report

'16 Int'l Sea Cargo Throughput Report

'17 Int'l Sea Cargo Throughput Report

'18 Int'l Sea Cargo Throughput Report

'19 Int'l Sea Cargo Throughput Report

'19 Int'l Sea Cargo Throughput Report

'19 Int'l Sea Cargo Throughput Report





_ •	able 5.2.8 Water Transpo	rt of Singapore (2004 -	2012)							Country	/AreaSin	gapore	710	km2	(ASEAN-Jap Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/admi nistrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	4.27	4.40	4.59	4.84	4.99	5.08	5.18	5.31	5.41	World Economic Outlook	IMF	
m1a	Population growth rate			%		3.16%	4.27%	5.45%	3.08%	1.78%	2.11%	2.47%	1.75%			
m2	GDP per capita			uss	26,419	28,498	31,739	36,754	38,213	37,195	44,697	50,000	51,162	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	ant. In.		%		7.87%	11.37%	15.80%	3.97%	-2.66%	20.17%	11.86%	2.32%			
m3	Number of domestic passenger fleet per million persons		(203) / m1	Unit/Million persons	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m3a	Growth rate of number of domestic passenger fleet per million persons			%												
m4	Amount of domestic sea cargo		(212) /	Unit/1000	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	throughput per 1000 persons Growth rate of amount of domestic		m1	persons	Техрр	Темрр	ieapp	Темрр	Техрр	Техрр	Телер	ieapp	МАРР			
m4a	sea cargo throughput per 1000 persons		(211) /	%												
m5	Domestic sea passenger traffic/Population		(211) / m1	Number	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
m5a	Growth rate of Domestic sea passenger traffic/Population			%												
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	92,221.7	96,175.3	97,734.6	99,941.3	103,331.1	93,027.4	97,095.3	99,866.3	99,539.7			
m6a	Growth rate of amount of International sea cargo throughput			%		4.29%	1.62%	2.26%	3.39%	-9.97%	4.37%	2.85%	-0.33%			
Α.	Maritime transport infrastr	ucture														
	Number of domestic ports			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App		MPA	*1
	Number of international ports	• • • • • • • • • • • • • • • • • • • •		Count	2	2	2	,,	,,	2	2	2	,,,			
	Maritime transport equipm	ent (vessels)				-	-		1	- 1		-				
		(*********************************		Count	N/A mr	N/A mr	N/A mr	N/Ama	N/Amr	N/Amr	N/Amr	N/A mr	N1/A			*2
	Number of domestic passenger fleet			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			-2
	Number of domestic cargo fleet Gross tonnage of domestic			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	passengerneer			Ton Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Gross tonnage of domestic merchant fleet			Ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Number of international merchant fleet			Count	3,109	3,219	3,249	3,553	3,843	3,950	3,978	4,111	4,232		MPA	
	Number of international container vessel fleet			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Gross tonnage of international merchant fleet			Thousand Ton	27,711	32,963	34,793	39,603	43,702	45,632	48,782	57,360	65,018		MPA	
210	Gross tonnage of international container vessel fleet			Thousand Ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
C.	Maritime transport measur	rement and traffic														
211	Domestic sea passenger traffic			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			*3
212	Domestic sea cargo throughput			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
213	Number of domestic ship calls			Thousand times	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
214	International sea passenger traffic			Thousand person	635	624	857	943	920	1139	1265	1328				*4
215	International sea cargo throughput	-		Thousand	393,418	423,268	448,504	483,616	515,415	472,300	503,342	530,490	538,012		MPA	
	International sea container throughput			ton Thousand	21,329	23,192	24,792	27,936	29,918	25,867	28,431	29,938	31,649		MPA	
				TEUs Thousand	133	130	129	129	132	131	127	128	130		WII A	
	Number of international ship calls	~ <i>\</i>		times	133	130	129	129	132	131	121	120	130			
	River transport infrastruct	ure		-												
	Number of river ports			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			*5
	Total waterway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	River transport equipment	(vessels)														
	Number of passenger river fleet (domestic/international)			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
221	Number of domestic cargo river fleet (domestic/international)			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	River transport measurem	ent and traffic														
222	River passenger traffic (domestic/international)			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
223	River cargo throughput (domestic/international)			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Others (enterprises, logist	ics and economic	perfo	rmance)												
224	Total domestic freight volume by sea			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			*6
225	Total domestic freight movement by sea			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
226	Total import cargo by sea			Thousand ton	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi			
227	Total export cargo by sea			Thousand ton	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi			
	Total domestic freight volume by			Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total domestic freight movement by			Million ton-	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	river Total import cargo by river			Kilometer Thousand	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
				ton Thousand												
231	Total export cargo by river			ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
_	Water transport accident															
	The total number of chine involvent	. ,														
232	The total number of ships involvent in accidents The number of deaths and missing	\\\,		ships	3	0	0	2	0	2	0	2	3		MPA MPA	*7



Table 5 2 0 V	Nator Tranenc	ort of Thailand	(2004 - 2012)

Т	able 5.2.9 Water Transpo	ort of Thailand (2	004 - 2	2012)							Count	tryAreaT	hailand	513,120	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012 P*	Activity source of data [regulatory/admi nistrative reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													surveyj		
m1	Population		L	Million	61.97	62.42	62.83	63.04	63.39	63.53	63.88	64.08	64.46	World Economic Outlook	IMF	
m1a	Population growth rate	11-1-1-1		%		0.73%	0.66%	0.33%	0.56%	0.22%	0.55%	0.31%	0.59%			
m2	GDP per capita			US\$	2,603	2,825	3,296	3,918	4,300	4,151	4,992	5,395	5,678	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	alla la.		%		8.53%	16.66%	18.86%	9.75%	-3.46%	20.24%	8.08%	5.26%			
m3	Number of domestic passenger fleet per million persons		(203) / m1	Unit/Million persons	86.51	96.27	92.34	118.61	127.92	138.77	150.31	162.64	173.01			
m3a	Growth rate of number of domestic	_		%		11.28%	-4.07%	28.44%	7.85%	8.48%	8.32%	8.20%	6.37%			
m4	passenger fleet per million persons Amount of domestic sea cargo		(212)/	Unit/1000	596.7	548.8	502.5	495.2	467.2	461.4	476.8	644.1	686.7			
	throughput per 1000 persons Growth rate of amount of domestic		m1	persons %	590.7	-8.03%	-8.42%	-1.46%		-	3.34%	35.09%	6.61%			
m4a	sea cargo throughput per 1000 persons Domestic sea passenger		(211)/						-5.65%	-1.24%						
m5	traffic/Population Growth rate of Domestic sea	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	`m1	Number		263.59	172.42	227.98	213.49	189.77	218.93	334.61	350.62			
m5a	passenger traffic/Population Amount of International sea cargo		(215)/	% Unit/1000			-34.59%	32.23%	-6.36%	-11.11%	15.36%	52.84%	4.78%			
m6	throughput per 1000 persons		m1	persons	1,638.8	1,915.6	2,070.6	2,249.3	2,323.5	2,070.3	2,040.0	2,452.8	2,767.0			
m6a	Growth rate of amount of International sea cargo throughput			%		16.89%	8.09%	8.63%	3.30%	-10.90%	-1.47%	20.23%	12.81%			
A.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	317	285	235	322	235	212	215	216	242		MD	
202	Number of international ports			Count	6	6	6	7	7	7	7	7	7	Transport Statistics	PAT	
В.	Maritime transport equipm	nent (vessels)														
203	Number of domestic passenger fleet			Count	5,361	6,009	5,802	7,477	8,109	8,816	9,602	10,422	11,152	Transport Statistics	MD	
	Number of domestic cargo fleet			Count	1,377	1,428	1,673	3,117	3,144	3,176	3,243	3,273	3,301	Transport Statistics	MD	
	Gross tonnage of domestic passenger fleet			Thousand Ton	105	115	123	131	138	147	157	167	177	Transport Statistics	MD	
	Gross tonnage of domestic merchant fleet			Thousand Ton	299	317	334	342	346	349	355	359	374	Transport Statistics	MD	
207	Number of international merchant fleet			Count	125	125	132	840	874	880	890	900	916	Transport Statistics	MD	
208	Number of international container vessel fleet			Count	8	10	12	22	22	23	23	23	23	Transport Statistics	MD	
209	Gross tonnage of international merchant fleet			Thousand Ton	306	384	411	2,519	2,529	2,583	2,698	2,829	3,042	Transport Statistics	MD	
210	Gross tonnage of international container vessel fleet			Thousand Ton	74	124	172	242	242	244	244	244	244	Transport Statistics	MD	
C.	Maritime transport measu	rement and traffic														
211	Domestic sea passenger traffic			Thousand person	N/Cont	16,453	10,833	14,372	13,533	12,056	13,985	21,442	22,601			*1
212	Domestic sea cargo throughput	-		Thousand ton	36,975	34,254	31,574	31,216	29,615	29,311	30,457	41,273	44,263	Transport Statistics	MD	
213	Number of domestic ship calls	7		Thousand times			467	528	421	356	345	394	350		MD	
214	International sea passenger traffic			Thousand person	248	241	303	275	306	348	486	552	612		DOT	
215	International sea cargo throughput			Thousand ton	101,558	119,569	130,093	141,796	147,286	131,529	130,316	157,174	178,362	Transport Statistics	CD	
216	International acc container			Thousand TEUs	4,830	5,094	5,561	6,177	6,680	5,932	6,499	7,091	7,056	Statistics	PAT	
217	Number of international ship calls	~_^		Thousand	61.3	64.1	71.8	70.5	70.4	64.0	71.2	79.9	75.7	Transport	MD	
D.	River transport infrastruct	ture		times										Statistics		
	Number of river ports	/		Count	N/Cont	N/Cont	148	224	165	152	150	151	172		MD	
	Total waterway route length			Kilometer	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277		MD	
E.	River transport equipment	t (vessels)			2,2.7	2,2.7	2,2.7	2,2.7	2,2.7	2,2,7	2,277	2,277				
	Number of passenger river fleet			Count	2,398	2,792	3,088	1,558	1,577	1,583	1,631	1,649	1,710	Transport	MD	
221	Number of domestic cargo river fleet	1		Count	2,403	2,792	2,495	2,557	2,601	3,297	3,393	3,675	3,961	Statistics	MD	
F.	(domestic/international) River transport measurem	ent and treffic		Count	2,403	2,454	2,495	2,557	2,001	3,297	3,383	3,075	3,901		WID	
	River passenger traffic	ient and traine		Thousand	N/Cont	17,507	18,481	20,739	49.44	13,979	11,797	0.745	11.500			
	River cargo throughput	-		person Thousand	43,389	42,306		47,229	13,140	41,561	48,185	9,740 46,932	11,562 47,423	Transport	MD	
	(domestic/international)	tice and occupation	norfa	ton	43,389	42,306	40,340	47,229	47,687	41,001	48,185	40,932	47,423	Statistics	MD	
G.	Others (enterprises, logist	. Programme	perio	Thousand	20.55	04.55	04	04 011	20.515	20.5:	00.155			Transport	140	
	Total domestic freight volume by sea Total domestic freight movement by	^		ton Million ton-	36,975	34,254	31,574	31,216	29,615	29,311	30,457	41,273	44,263	Statistics Transport	MD	
	sea			kilometer	3,392	3,148	2,533	2,431	2,415	2,386	2,404	3,217	2,727	Statistics Transport	MD	
	Total import cargo by sea	/		ton	89,476	107,905	100,136	101,774	99,370	90,702	96,263	92,965	92,976	Statistics	Customs	
	Total export cargo by sea			Thousand ton	78,422	75,622	80,959	92,812	93,907	91,717	96,128	100,675	101,342	Transport Statistics	Customs	
	Total domestic freight volume by river	~ V		Thousand ton	43,389	42,306	40,340	47,229	47,687	41,561	48,185	46,932	47,423	Transport Statistics	MD	
229	Total domestic freight movement by river	~/ \		Million ton- kilometer	7,535	7,906	7,051	8,134	8,671	7,511	8,558	8,695	8,325	Transport Statistics	MD	
230	Total import cargo by river			Thousand ton												
231	Total export cargo by river			Thousand ton												
G.	Water transport accident															
232	The total number of ships involvent in accidents	\sim		ships	40	30	30	44	36	40	25	25	33	Otationics	MD	
1	The number of deaths and missing	_		persons	60	46	8	42		31	6	18	13	Transport Statistics	MD	
1	Data series from 2004 to 2011 were ar	nended this year. Therefo	re, the all	data have bee	n changed ti	han this year	2012 P	Preliminary	data at Nov.	2013						



	Table 5.2.10 Water Tran		Coun	ıtryArea\	/ietnam	331,690	km2	(ASEAN-Japan Center)								
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/administra tive reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	82.03	83.11	84.16	85.16	86.18	87.21	88.26	89.32	90.39	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.31%	1.26%	1.19%	1.20%	1.20%	1.20%	1.20%	1.20%			
m2	GDP per capita	· ·		US\$	554	637	724	835	1,048	1,068	1,174	1,374	1,528	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		14.95%	13.68%	15.34%	25.48%	1.95%	9.85%	17.08%	11.17%			
m3	Number of domestic passenger fleet		(203) /	Unit/Million	0.18	0.20	0.21	0.27	0.39	0.44	0.50	0.45	0.51			
m3a	per million persons Growth rate of number of domestic		m1	persons %		11.87%	4.56%	26.28%	46.07%	10.44%	14.42%	-10.17%	13.64%			
	passenger fleet per million persons Amount of domestic sea cargo		(212)/	Unit/1000												
m4	throughput per 1000 persons Growth rate of amount of domestic		m1	persons	353.1	360.4	393.6	504.3	496.8	690.6	855.5	984.6	882.7			
m4a	sea cargo throughput per 1000 persons		(044) (%		2.08%	9.19%	28.13%	-1.49%	39.02%	23.87%	15.10%	-10.35%			
m5	Domestic sea passenger traffic/Population		(211) / m1	Number	1.47	1.59	2.77	4.11	5.93	3.48	4.08	4.64	13.81			
m5a	Growth rate of Domestic sea passenger traffic/Population			%		8.58%	74.13%	48.19%	44.33%	-41.38%	17.25%	13.77%	197.71%			
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	1,077.2	1,160.8	1,267.1	1,421.7	1,579.2	1,958.5	1,746.6	1,734.0	1,921.8			
m6a	Growth rate of amount of International sea cargo throughput			%		7.76%	9.16%	12.19%	11.08%	24.02%	-10.82%	-0.72%	10.83%			
A.	Maritime transport infrasti	ructure														
201	Number of domestic ports			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App				
202	Number of international ports			Count	N/Col	N/Col	N/Col	150	166	242	250	329	240		VMA	
В.	Maritime transport equipn	nent (vessels)														
	Number of domestic passenger fleet	,,,,,		Count	15	17	18	23	34	38	44	40	46		VR	
	Number of domestic cargo fleet			Count	464	478	476	546	687	691	711	877	833		VR	
	Gross tonnage of domestic passenger fleet	,		Thousand						30.8					VR	
	passenger fleet Gross tonnage of domestic merchant	·····/.		Ton Thousand	3.5	4.1	4.2	28.8	29.8		32.3	7.1	7,416			
	Number of international merchant			Ton	324	334	343	419	607	688	706	1,203	1,157		VR	
	lieer			Count	187	256	320	495	745	959	619	683	648		VR	
	Number of international container vessel fleet			Count	3	3	4	8	13	25	32	31	25		VR	
	Gross tonnage of international merchant fleet			Thousand Ton	1,096	1,253	1,362	2,047	2,672	3,421	3,279	4,083	3,809		VR	
210	Gross tonnage of international container vessel fleet			Thousand Ton	31.5	31.5	33.7	54.0	81.5	196.3	212.0	191.1	155.3		VR	
C.	Maritime transport measu	rement and traffic	:													
211	Domestic sea passenger traffic			Thousand person	120.3	132.4	233.4	350.0	511.2	303.3	359.9	414.4	1,248.4		VMA	*1
212	Domestic sea cargo throughput			Thousand ton	28,966	29,955	33,120	42,940	42,810	60,227	75,500	87,941	79,784		VMA	
213	Number of domestic ship calls			Thousand times	26.3	30.0	33.6	39.6	44.0	47.1	49.3	48.4	52.0		VMA	
214	International sea passenger traffic			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App		VMA	
l	International sea cargo throughput			Thousand ton	88,368	96,472	106,638	121,062	136,090	170,802	154,154	154,876	173,704		VMA	
216	International sea container throughput			Thousand TEUs	2,105	2,464	2,914	3,716	4,152	4,437	5,363	5,823	6,519		VMA	
217	Number of international ship calls			Thousand times	47.2	26.7	28.7	49.0	54.5	60.9	70.5	81.6	46.9		VMA	
D.	River transport infrastruct	ure														
218	Number of river ports			Count	2,700	2,850	3,000	3,210	3,300	3,383	3,520	3,822	5,520		VMA	*2
219	Total waterway route length	-		Kilometer	6,411	6,411	6,411	6,602	6,602	6,735	6,738	6,738	6,650		VMA	
E.	River transport equipment	t (vessels)														
	Number of passenger river fleet (domestic/international)			Count	1,437	2,641	1,955	4,901	6,425	2,769	17,054	17,608	18,519		VR	
	Number of domestic cargo river fleet			Count	2,938	6,442	5,012	10,501	4,223	23,514	21,762	22,978	23,200		VR	
F.	(domestic/international) River transport measurem	ent and traffic			****	, 1	, ·	· · · ·		77. 1		, , , , , , , , , , , , , , , , , , ,	.,			
	River passenger traffic (domestic/international)			Thousand	713/5	1569/10	716/5	289/2	143/1	1513/10	158	173	184		GSO	
	River cargo throughput			person Thousand	97,937	111,146	122,984	135,283	133,028	137,715	144,227	157,207	155,162		GSO	
	(domestic/international)	ion and company	norf-	ton	91,931	111,146	122,984	133,283	133,028	131,/15	144,227	191,207	100,162		GOU	
	Others (enterprises, logist	iles and economic	репо	Thousand			21/4					A1/5				
	Total domestic freight volume by sea Total domestic freight movement by			ton Million ton-	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	sea			kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
226	Total import cargo by sea			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total export cargo by sea			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total domestic freight volume by river	/		Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	119,200			
229	Total domestic freight movement by river	/		Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	13,100			
230	Total import cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
231	Total export cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
G.	Water transport accident		'													
232	The total number of ships involvent in accidents	/		ships	109	112	78	65	80	87	59	80	183			



	Table 5.2.11 Water Tran	sport of Japan (2004 -	2012)							Co	untryAre	aJapan	377,835	km2	(ASEAN-Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/administra tive reporting system,	Institutional source of data [Official agency	Notes/ Remarks
			suggested definition											census, survey]	source]	
	Miscellaneous		I											World Economic		
m1	Population Population growth rate			Million %	127.8	127.8	127.9	128.0	128.1	128.1	128.0	127.9	127.6	Outlook	IMF	
m1a		-1111				0.02%	0.06%	0.10%	0.06%	-0.01%	0.00%	-0.12%	-0.22%	World Economic		
m2	GDP per capita	-		US\$	36,444	35,781	34,077	34,038	37,865	39,321	42,917	46,108	46,736	Outlook	IMF	
m2a	Growth rate of GDP per capita Number of domestic passenger fleet	I.II.	(203)/	% Unit/Million		-1.82%	-4.76%	-0.11%	11.24%	3.85%	9.14%	7.44%	1.36%			
m3	per million persons		m1	persons	18.7	18.8	19.1	18.8	18.5	18.2	17.8	17.9	17.8			
m3a	Growth rate of number of domestic passenger fleet per million persons			%		0.40%	1.65%	-1.66%	-1.77%	-1.38%	-2.23%	0.65%	-0.69%			
m4	Amount of domestic sea cargo throughput per 1000 persons	~	(212) / m1	Unit/1000 persons	3,446	3,335	3,259	3,201	2,957	2,594	2,864	2,822				
m4a	sea cargo throughput per 1000 persons			%		-3.22%	-2.29%	-1.77%	-7.62%	-12.28%	10.41%	-1.45%				
m5	Domestic sea passenger traffic/Population	-	(211) / m1	Number	907.41	892.97	867.86	866.31	846.32	799.51	796.69	747.73				
m5a	Growth rate of Domestic sea passenger traffic/Population			%		-1.59%	-2.81%	-0.18%	-2.31%	-5.53%	-0.35%	-6.15%				
m6	Amount of International sea cargo throughput per 1000 persons		(215) / m1	Unit/1000 persons	9,487	9,598	9,828	10,092	10,144	8,535	9,648	9,588				
m6a	Growth rate of amount of International sea cargo throughput			%		1.16%	2.40%	2.69%	0.51%	-15.85%	13.03%	-0.62%				
A.	Maritime transport infrastr	ructure														
201	Number of domestic ports	-		Count	951	951	942	936	936	936	936	935	933	Yearly Port and Harboor Handbook	РНВ	*1
202	Number of international ports			Count	128	128	128	128	128	126	126	126	125	Yearly Port and Harboor Handbook	PHB	*2
	Maritime transport equipm	nent (vessels)												- Iaibooi nandbook		
	Number of domestic passenger fleet	-		Count	2,394	2,404	2,445	2,407	2,366	2,333	2,281	2,293	2,272	Report on Maritime Affairs	MB	P112
	Number of domestic cargo fleet	-		Count	6,254	6,117	6,056	5,956	5,809	5,609	5,469	5,357	5,302	Report on Maritime Affairs	MB	*3
	Gross tonnage of domestic	7		Thousand	1,228	1,169	1,167	1,070	1,043	981	948	907	910	Numeric Perspective of Sea Transport "Maritime	MLIT	*4
	Gross tonnage of domestic merchant	~~~		Thousand	3,585	3,512	3,607	3,586	3,566	3,465	3,387	3,502	3,566	Report" 2011(P.64) Report on Maritime Affairs	MB	*5
	Number of international merchant			Count	99	95	95	91	100	115	123	143	150	Website of The Japanes Shipowners' association	JSA	*6
208	fleet Number of international container			Count	N/CoI	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	Shipowners' association	5671	
	Gross tonnage of international			Thousand	7,569	7,460	7,354	7,105	7,368	8,420	9,739	11,320	12,859	Maritime Statistics	JSA	P64
210	Gross tonnage of international			Ton Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	Maritime Statistics	JSA	P66
	container vessel fleet Maritime transport measu	romant and traffic		Ton	N/Coi	N/Coi	N/Coi	N/Coi	NCOI	WCOI	N/Coi	Necoi	NCOI	Waltime Statistics	JSA	F-00
	-	Tement and traine		Thousand	445.000	44.4.000	440.057	440.070	400.004	102,378	400.045	05.000		Annual Report of Port	MLIT	*7
	Domestic sea passenger traffic			person Thousand	115,923	114,099		110,873	108,384		102,015	95,632		statistics (outline)		
	Domestic sea cargo throughput	~		ton Thousand	440,252	426,145	416,644	409,694	378,705	332,175	366,734	360,983		Transport related statistics data Annual Report of Port	MLIT	*8
	Number of domestic ship calls	~ `		times Thousand	3,223	3,204	3,089	3,021	2,926	2,659	2,650	2,543		statistics (outline) Transport related	MLIT	*7
	International sea passenger traffic			person Thousand	1,250	1,279		1,707	2,053	1,357	2,025	1,474		Statistics data Annual Report of Port	MLIT	*9
	International sea cargo throughput International sea container			ton	1,212,034	1,226,323		1,291,555	1,299,032	1,092,976	1,235,348	1,226,232		statistics (outline) Transport related	MLIT	*7
	unougnput			TEUs	14,984	15,732	16,616	17,139	17,129	14,745	16,848	17,503		statistics data Annual Report of Port	MLIT	*7
	Number of international ship calls	<u>~</u>		times	130	130	130	126	124	106	112	108		statistics (outline)	MLIT	*7
D.	River transport infrastruct	ure														
218	Number of river ports			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	Total waterway route length			Kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	River transport equipment	t (vessels)		-												
	Number of passenger river fleet (domestic/international)			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
221	Number of domestic cargo river fleet (domestic/international)			Count	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
	River transport measurem	ent and traffic														
222	(domestic international)			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
223	River cargo throughput (domestic/international)			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
F.	River transport measurem	ent and traffic														
	Total domestic freight volume by sea			Thousand ton	440,252	426,145	416,644	409,694	378,705	332,175	366,734	360,983	365,992	Transport related statistics data	MLIT	*10
225	Total domestic freight movement by sea	~		Million ton- kilometer	218,833	211,576	207,849	202,962	187,859	167,315	179,898	174,900	177,791	Transport related statistics data	MLIT	*11
226	Total import cargo by sea			Thousand ton	962,674	965,659	971,655	987,723	989,244	847,757	949,501	955,235		Transport related statistics data	MLIT	*12
227	Total export cargo by sea			Thousand ton	249,360	260,664	284,812	303,832	309,788	245,219	285,847	270,997		Transport related statistics data	MLIT	*13
228	Total domestic freight volume by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
229	Total domestic freight movement by river			Million ton- kilometer	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
230	Total import cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
231	Total export cargo by river			Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
F.	River transport measurem	ent and traffic														
	The Antal countries of ables because	/		ships	109	112	78	65	80	87	59	80	183			
233	The number of deaths and missing			persons	23	27	38	16	45	29	51	44	120			
-1	http://www.mlit.go.jp/k-toukei/search/pdfhtml/ http://www.mlit.go.jp/k-toukei/search/pdf/23/2:	23/23000000x00012.html 3000000x01213.pdf	*2	http://www.mlit.go P130, P135(Apr.	o.jp/k-toukei/se	arch/pdfhtml/0 &2010)	1/01200900a00 *6	000.html http://www.jsan	*3	P130, P135(Apr	March in 2009 & *9	010) Passenger traf	*13 fic completed I	International sea cargo by national flag fleets	traffic I-2-15	

ASEAN

Country Area 4,482,756 km²



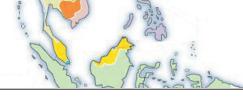


	Table 5.2.12 Water Tran	ISPORT OF ASEAN	(2004	- 2012)							Cou	ntryArea	ASFAN	4,482,756	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/administra tive reporting system, census, survey]	Institutional source of data [Official agency source]	Notes/ Remarks
	Miscellaneous		dennidon													
m1	Population			Million	549.9	558.4	566.8	575.0	583.4	590.5	598.9	607.1	615.7		IMF	
m1a	Population growth rate			%		1.55%	1.51%	1.44%	1.46%	1.22%	1.42%	1.37%	1.41%			
m2	GDP per capita			uss	1,489	1,643	1,940	2,290	2,623	2,570	3,149	3,594	3,746		IMF	
m2a	Growth rate of GDP per capita	alla la		%		10.37%	18.07%	18.00%	14.58%	-2.05%	22.56%	14.12%	4.22%			
m3	Number of domestic passenger fleet per million persons		(203) / m1	Unit/Million persons	13.3	13.8	12.3	15.7	17.3	20.1	22.0	25.7	27.5			
m3a	Growth rate of number of domestic passenger fleet per million persons	l		%		3.99%	-10.80%	27.35%	10.32%	16.11%	9.27%	16.92%	7.01%			
m4	Amount of domestic sea cargo		(212)/	Unit/1000	863	889	917	946	969	1,040	1,119	1,193	1,229			
m4a	throughput per 1000 persons Growth rate of amount of domestic sea cargo throughput per 1000		m1	persons %		3.01%	3.07%	3.26%	2.40%	7.33%	7.61%	6.60%	3.01%			
m5	persons Domestic sea passenger		(211)/	Number	110.19	130.69	108.71	115.83	112.20	127.44	145.13	149.35	160.47			
	traffic/Population Growth rate of Domestic sea		m1		110.13	18.60%	-16.82%	6.55%	-3.14%	13.58%	13.88%	2.91%	7.44%			
m5a	passenger traffic/Population Amount of International sea cargo		(215)/	% Unit/1000							1 1 1 1 1 1					
m6	throughput per 1000 persons Growth rate of amount of		m1	persons	2,290	2,415	2,510	2,642	2,706	2,651	2,745	2,866	2,957			
	International sea cargo throughput	IIII.,III		%		5.45%	3.93%	5.26%	2.40%	-2.01%	3.52%	4.43%	3.17%			
	Maritime transport infrastr	ucture														
201	Number of domestic ports			Count	2,418	2,405	2,575	2,669	2,601	2,589	2,542	2,638	2,695			
202	Number of international ports			Count	184	184	184	336	352	428	445	543	457			
B.	Maritime transport equipm	ent (vessels)														
203	Number of domestic passenger fleet			Count	7,308	7,717	6,987	9,026	10,103	11,874	13,159	15,597	16,926			
	Number of domestic cargo fleet			Count	7,102	7,293	7,479	9,996	11,284	12,226	13,136	14,383	15,297			
	Gross tonnage of domestic passenger fleet			Thousand Ton	5,427	4,656	2,444	10,409	2,535	2,337	2,775	3,344	15,146			
	Gross tonnage of domestic merchant fleet			Thousand Ton	16,868	12,938	26,585	25,301	28,222	10,531	35,498	62,474	114,077			
207	Number of international merchant fleet	-		Count	10,770	10,943	11,305	12,364	12,920	13,031	10,800	11,508	10,006			
208	Number of international container vessel fleet	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Count	1,677	1,586	1,658	1,760	1,691	1,657	1,775	1,903	1,481			
209	Gross tonnage of international merchant fleet	\ \ \		Thousand Ton	211,204	216,865	165,249	227,874	175,302	164,586	139,827	128,776	134,460			
210	Gross tonnage of international container vessel fleet			Thousand Ton	19,065	17,565	16,530	20,495	21,003	21,330	22,469	25,359	26,991			
C.	Maritime transport measur	rement and traffic														
211	Domestic sea passenger traffic			Thousand person	60,593	72,976	61,617	66,599	65,453	75,248	86,914	90,671	98,795			
212	Domestic sea cargo throughput			Thousand ton	474,664	496,539	519,515	544,152	565,352	614,171	670,282	724,312	756,673			
213	Number of domestic ship calls			Thousand times	404	622	1,066	1,149	1,075	1,011	1,071	1,155	1,053			
214	International sea passenger traffic			Thousand person	4,691	5,084	4,265	4,655	5,331	5,389	8,966	7,807	4,783			
215	International sea cargo throughput			Thousand ton	1,259,466	1,348,653	1,422,837	1,519,143	1,578,410	1,565,508	1,643,682	1,740,096	1,820,548			
216	International sea container throughput			Thousand TEUs	33,973	36,460	39,369	44,534	47,844	42,960	47,883	53,812	56,610			
217	Number of international ship calls			Thousand times	255	234	243	263	319	317	331	401	298			
D.	River transport infrastruct	ure														
218	Number of river ports			Count	3,101	3,267	3,572	3,874	3,917	4,034	4,153	4,466	6,014			
219	Total waterway route length			Kilometer	36,249	36,536	36,643	37,103	37,283	37,416	31,913	28,633	28,816			
E.	River transport equipment	(vessels)														
	Number of passenger river fleet (domestic + international)	-		Thousand person	6,192	7,463	7,152	8,813	10,304	6,833	19,107	19,681	20,696			
221	Number of domestic cargo river fleet (domestic + international)			Count	6,820	10,363	9,010	14,669	8,570	28,535	26,787	28,419	28,992			
F.	River transport measurem	ent and traffic														
	River passenger traffic (domestic + international)	1		Thousand person	54,104	53,615	74,742	90,330	89,484	104,099	81,329	87,908	94,468			
	River cargo throughput (domestic + international)			Thousand ton	163,053	183,805	193,939	220,097	227,794	230,218	252,936	263,839	258,353			
	River transport measurem	ent and traffic		.511				•								
	Total domestic freight volume by sea	مستر		Thousand ton	226,106	242,067	254,170	261,351	274,426	317,585	341,966	364,684	401,987			
	Total domestic freight movement by			Million ton-	8,184	8,140	7,797	9,128	9,295	9,025	10,543	11,809	12,319			
	Sea Total import cargo by sea	7		kilometer Thousand	106,467	125,299	117,501	120,388	119,964	117,127	126,981	122,717	126,010			
	Total export cargo by sea			Thousand	101,297	99,660	106,145	119,730	126,844	136,485	139,939	151,112	155,359			
	Total domestic freight volume by	1		Thousand	48,359	47,189	45,222	52,475	53,083	47,254	54,040	51,922	169,903			
	Total domestic freight movement by	····/,		Million ton-	7,575	7,947	7,094	8,201	8,732	8,670	10,022	9,747	22,625			
	river Total import cargo by river			Thousand	1,513	7,947	7,094	3,201	0,702	3,070	10,022	3,141	-2,025			
				Thousand	0	-		0	0	0		0	0			
	Total export cargo by river	ont and troffic		ton	0	0	0	0	0	0	0	0	0			
	River transport measurem The total number of ships involvent in accidents.	ent and traffic		lab.to												
	in accidents			ships	387	276	222	255	316	463	382	534	682			
233	The number of deaths and missing *: =Σ (country's figure(nt)) /Σ (country	~~ \~	L	persons	406	276	930	461	1519	573	350	575	355			

^{*: = \$\(\}text{country's figure(nt)} \) \(\text{C (country's population(t))} \) , \(n \)... an indicator. \(t \)... a year. In case of a data-missing for the numerator, ASEAN total is used for the denominator.

5.3 Comparison of Water Transport Statistics among AMSs and Japan

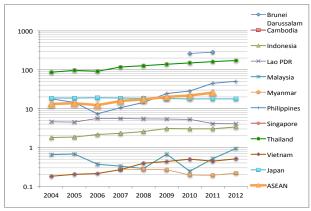
comparison among AMSs, ASEAN total and Japan in 2011.

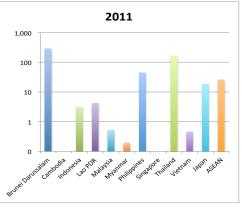
In this section, comparison graphs and tables of Water transport statistics indicators (code 201 – 233 and m3 – m6 among AMSs and Japan are given. Indicators which do not have enough data for comparison are excluded. Left side graphs show trend of indicators of each countries and ASEAN total. Right side graphs show

Most of graphs use logarithmic scales in the vertical axis because there is big difference among countries.

m3

Graph 5.3.m3 Number of domestic passenger fleet per million persons (Unit/Million persons) in AMSs & Japan



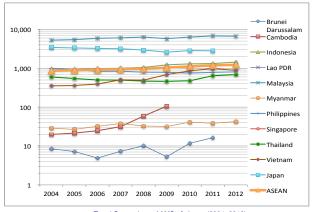


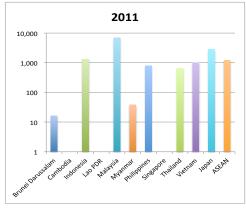
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	.3.m3 Numbe									
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	1	N/App	N/App	N/App	N/App	N/App	N/App	263.6	285.0	
Cambodia		N/App								
Indonesia		1.8	1.9	2.2	2.3	2.6	3.1	3.0	3.0	3.4
Lao PDR	-/	4.6	4.5	5.6	5.6	5.5	5.4	5.3	4.1	4.1
Malaysia		0.7	0.7	0.4	0.3	0.3	0.7	0.2	0.5	1.0
Myanmar		0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2
Philippines		17.9	14.5	7.3	10.6	14.5	24.5	28.5	45.0	50.5
Singapore		N/App								
Thailand		86.5	96.3	92.3	118.6	127.9	138.8	150.3	162.6	173.0
Vietnam		0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.4	0.5
Japan		18.7	18.8	19.1	18.8	18.5	18.2	17.8	17.9	17.8
ASEAN		13.3	13.8	12.3	15.7	17.3	20.1	22.0	25.7	

Graph 5.3.m4 Amount of domestic sea cargo throughput per 1000 persons (Unit/1000 persons) in AMSs & Japan

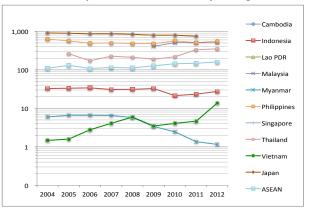


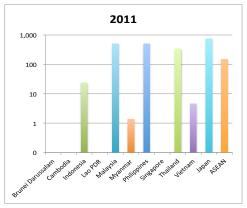


Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		9	7	5	7	10	5	12	16	
Cambodia		19.9	21.4	24.8	31.6	59.2	106.6			
Indonesia		859	932	983	1,001	1,051	1,222	1,300	1,329	1,452
Lao PDR		N/App								
Malaysia		5,300	5,469	5,927	6,062	6,363	5,815	6,402	6,846	6,702
Myanmar		29.0	26.7	32.1	37.8	32.7	31.8	41.2	38.8	42.4
Philippines	*******	981	931	838	841	796	786	754	787	809
Singapore		N/App								
Thailand		597	549	503	495	467	461	477	644	687
Vietnam		353	360	394	504	497	691	855	985	883
Japan		3,446	3,335	3,259	3,201	2,957	2,594	2,864	2,822	
ASEAN		863	889	917	946	969	1,040	1,119	1,193	1,229

Graph 5.3.m5 Domestic sea passenger traffic/Population (Unit/1000 persons) in AMSs & Japan



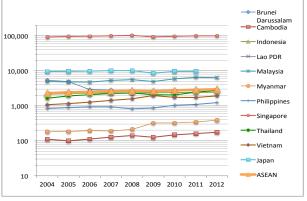


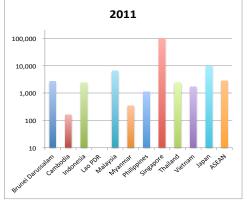
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

Ta	ble 5.3.m5 D	omestic s	ea passe	nger traff	ic/Popula	tion (Unit	/1000 per	sons) in A	MSs & Ja	apan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Indonesia		32.7	33.3	33.9	31.0	31.2	32.7	21.4	23.5	27.6
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia	<i>/</i>	O/C	O/C	O/C	O/C	O/C	408	511	508	508
Myanmar		6.03	6.61	6.62	6.53	5.78	3.42	2.46	1.36	1.16
Philippines	~~~~	634.3	570.6	489.3	500.8	484.8	478.6	569.1	513.3	554.9
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand			264	172	228	213	190	219	335	351
Vietnam		1.47	1.59	2.77	4.11	5.93	3.48	4.08	4.64	13.81
Japan		907	893	868	866	846	800	797	748	
ASEAN		110	131	109	116	112	127	145	149	160

Graph 5.3.m6 Amount of International sea cargo throughput per 1000 persons (Unit/1000 persons) in AMSs & Japan

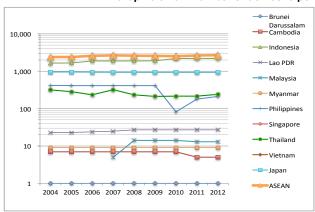


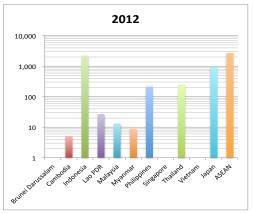


Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011	2,012
Brunei Darussalam	~~~	5,378	4,928	2,907	2,816	2,528	2,439	2,713	2,656	
Cambodia		111	100	112	127	141	127	148	161	174
ndonesia	****	2,131	2,227	2,294	2,335	2,322	2,351	2,387	2,410	2,445
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		4,922	4,805	4,746	5,302	5,584	4,948	5,911	6,491	6,356
Myanmar		180	184	194	190	212	323	324	345	386
Philippines		842	889	937	934	817	866	1,043	1,100	1,235
Singapore		92,222	96,175	97,735	99,941	103,331	93,027	97,095	99,866	99,540
Thailand		1,639	1,916	2,071	2,249	2,323	2,070	2,040	2,453	2,767
/ietnam		1,077	1,161	1,267	1,422	1,579	1,958	1,747	1,734	1,922
apan		9,487	9,598	9,828	10,092	10,144	8,535	9,648	9,588	
ASEAN		2,290	2,415	2,510	2,642	2,706	2,651	2,745	2,866	2,957

Graph 5.3.201 Number of domestic ports (Count) in AMSs & Japan (Code 201)



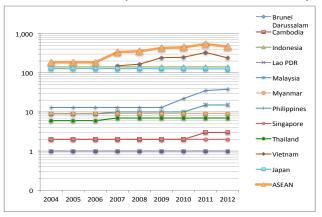


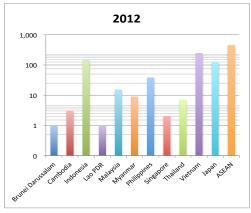
Trend Comparison of AMSs & Japan (2004-2012)

Comparison of AMSs & Japan

	Table 5	5.3.201 N	umber of	domestic	ports (Co	ount) in Al	MSs & Jap	pan (Code	201)	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	•	1	1	1	1	1	1	1	1	1
Cambodia		7	7	7	7	7	7	7	5	5
Indonesia		1,645	1,667	1,886	1,887	1,895	1,906	2,187	2,187	2,187
Lao PDR		23	23	24	25	27	27	27	27	27
Malaysia	7				5	14	14	14	13	13
Myanmar	*****	9	9	9	9	9	9	9	9	9
Philippines		416	413	413	413	413	413	82	180	211
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	~~~	317	285	235	322	235	212	215	216	242
Vietnam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Japan		951	951	942	936	936	936	936	935	933
ASEAN	-	2,418	2,405	2,575	2,669	2,601	2,589	2,542	2,638	2,695

Graph 5.3.202 Number of international ports (Count) in AMSs & Japan (Code 202)



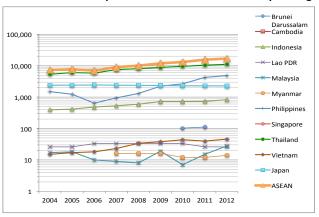


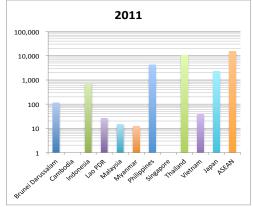
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Tal	ble 5.3.202	2 Numbe	r of inter	national p	orts (Cou	nt) in AMS	Ss & Japa	n	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	••••	1	1	1	1	1	1	1	1	1
Cambodia		2	2	2	2	2	2	2	3	3
Indonesia	*******	141	141	141	141	141	141	141	141	141
Lao PDR	*****	1	1	1	1	1	1	1	1	1
Malaysia		9	9	9	10	10	10	10	15	15
Myanmar	*********	9	9	9	9	9	9	9	9	9
Philippines		13	13	13	13	13	13	22	35	38
Singapore	•	2	2	2	2	2	2	2	2	2
Thailand		6	6	6	7	7	7	7	7	7
Vietnam					150	166	242	250	329	240
Japan		128	128	128	128	128	126	126	126	125
ASEAN		184	184	184	336	352	428	445	543	457

Graph 5.3.203 Number of domestic passenger fleet (Count) in AMSs & Japan (Code 203)



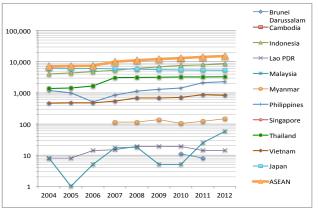


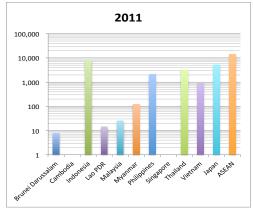
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table	5.3.203 N	Number o	f domesti	c passenç	ger fleet (0	Count) in	AMSs & J	apan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	/	N/App	N/App	N/App	N/App	N/App	N/App	102	112	
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia		395	412	485	528	593	722	719	734	823
Lao PDR	_/\	26	26	33	33	33	33	33	26	26
Malaysia		17	18	10	9	8	19	7	15	28
Myanmar					16	16	16	12	12	14
Philippines		1,494	1,235	639	940	1,310	2,230	2,640	4,236	4,837
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		5,361	6,009	5,802	7,477	8,109	8,816	9,602	10,422	11,152
Vietnam		15	17	18	23	34	38	44	40	46
Japan		2,394	2,404	2,445	2,407	2,366	2,333	2,281	2,293	2,272
ASEAN		7,308	7,717	6,987	9,026	10,103	11,874	13,159	15,597	16,926

Graph 5.3.204 Number of domestic cargo fleet (Count) in AMSs & Japan (Code 204)

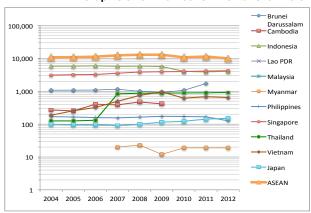


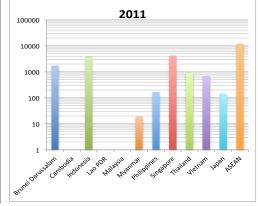


Trend Comparison of AMSs & Japan (2004- 2012)

	Tab	le 5.3.204	Number	of domes	stic cargo	fleet (Cou	unt) in AM	ISs & Jap	an	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	\	N/App	N/App	N/App	N/App	N/App	N/App	11	8	
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia		4,055	4,368	4,800	5,332	6,156	6,899	7,608	7,942	8,653
Lao PDR		8	8	14	15	19	19	19	14	14
Malaysia		8	1	5	17	18	5	5	25	58
Myanmar					116	116	139	104	122	147
Philippines		1,190	1,010	511	853	1,144	1,297	1,435	2,122	2,291
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/
Thailand	****	^ ~1,377	1,428	1,673	3,117	3,144	3,176	3,243	3,273	3,301
Vietnam		464	478	476	546	687	691	711	877	833
Japan	*	6,254	6,117	6,056	5,956	5,809	5,609	5,469	5,357	5,302
ASEAN		7,102	7,293	7,479	9,996	11,284	12,226	13,136	14,383	15,297

Graph 5.3.207 Number of international merchant fleet (Count) in AMSs & Japan (Code 207)



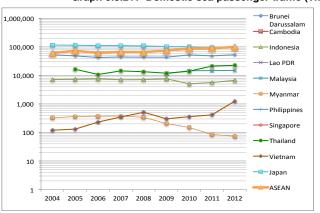


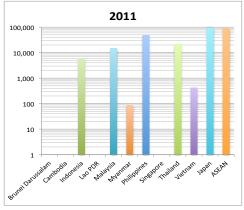
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 5	.3.207 Nu	ımber of	internatio	nal merch	nant fleet	(Count) ir	n AMSs &	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1,083	1,087	1,093	1,158	992	921	1,068	1,729	
Cambodia		270	253	403	385	474	415			
Indonesia		5,827	5,838	5,951	5,757	5,805	5,722	4,056	3,899	4,065
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C
Myanmar	~~~				20	23	12	19	19	19
Philippines		169	165	157	156	164	172	170	167	126
Singapore		3,109	3,219	3,249	3,553	3,843	3,950	3,978	4,111	4,232
Thailand		125	125	132	840	874	880	890	900	916
Vietnam		187	256	320	495	745	959	619	683	648
Japan		99	95	95	91	100	115	123	143	150
ASEAN		10,770	10,943	11,305	12,364	12,920	13,031	10,800	11,508	10,006

Graph 5.3.211 Domestic sea passenger traffic (Thousand person) in AMSs & Japan (Code 211)

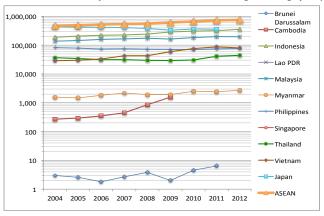


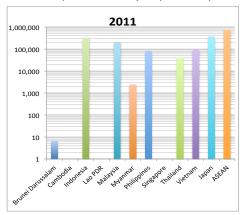


Trend Comparison of AMSs & Japan (2004- 2012)

	Table 5.3	.211 Don	nestic sea	passenge	er traffic (Thousand	d person)	in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia		7,147	7,373	7,620	7,072	7,198	7,666	5,097	5,658	6,746
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia	~~~	O/C	O/C	O/C	O/C	O/C	11,462	14,620	14,718	14,970
Myanmar		327	366	374	377	340	205	150	85	74
Philippines	\	52,998	48,652	42,556	44,429	43,871	43,556	52,702	48,354	53,156
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	J	N/Cont	16,453	10,833	14,372	13,533	12,056	13,985	21,442	22,601
Vietnam		120	132	233	350	511	303	360	414	1,248
Japan		115,923	114,099	110,957	110,873	108,384	102,378	102,015	95,632	
ASEAN	-	60,593	72,976	61,617	66,599	65,453	75,248	86,914	90,671	98,795

Graph 5.3.212 Domestic sea cargo throughput (Thousand ton) in AMSs & Japan (Code 212)



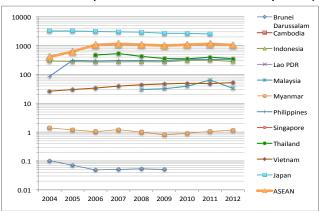


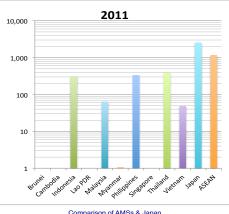
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 5	.3.212 Do	mestic se	ea cargo t	hroughpu	it (Thousa	and ton) i	n AMSs &	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		3.00	2.60	1.80	2.69	3.82	2.02	4.59	6.46	
Cambodia		269	296	351	452	862	1,578			
Indonesia		187,557	206,336	220,780	227,955	242,890	286,367	308,990	320,268	355,023
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		137,309	144,814	159,032	164,815	175,249	163,295	183,014	198,290	197,429
Myanmar		1,574	1,477	1,816	2,180	1,921	1,907	2,519	2,421	2,701
Philippines	******	82,011	79,405	72,840	74,591	72,001	71,484	69,797	74,113	77,474
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		36,975	34,254	31,574	31,216	29,615	29,311	30,457	41,273	44,263
Vietnam		28,966	29,955	33,120	42,940	42,810	60,227	75,500	87,941	79,784
Japan	*****	440,252	426,145	416,644	409,694	378,705	332,175	366,734	360,983	
ASEAN		474,664	496,539	519,515	544,152	565,352	614,171	670,282	724,312	756,673

Graph 5.3.213 Number of domestic ship calls (Thousand times) in AMSs & Japan (Code 213)

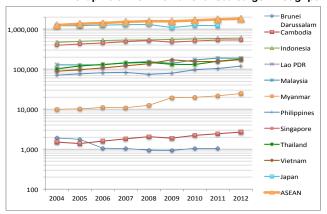


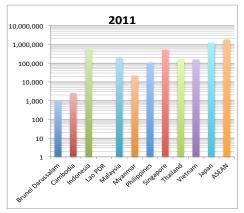


Trend Comparison of AMSs & Japan (2004- 2012)

	Table 5.	3.213 Nui	mber of d	omestic s	hip calls	(Thousan	d times)	in AMSs 8	k Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	\	0.103	0.071	0.049	0.051	0.054	0.051	O/C	O/C	O/C
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia	~~~	291	281	268	275	277	275	302	317	282
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		O/C	O/C	O/C	O/C	30	32	39	64	33
Myanmar	*****	1.40	1.21	1.05	1.22	1.00	0.81	0.91	1.06	1.18
Philippines	<i>/</i>	86	310	296	304	302	300	335	331	335
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand				467	528	421	356	345	394	350
Vietnam		26	30	34	40	44	47	49	48	52
Japan		3,223	3,204	3,089	3,021	2,926	2,659	2,650	2,543	
ASEAN	-	404	622	1,066	1,149	1,075	1,011	1,071	1,155	1,053

Graph 5.3.215 International sea cargo throughput (Thousand ton) in AMSs & Japan (Code 215)



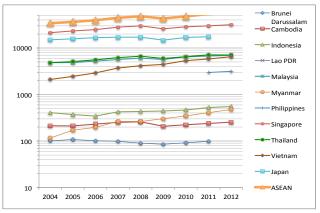


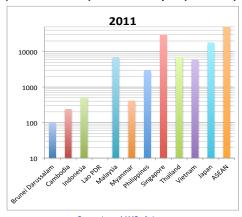
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 5.3	.215 Inter	rnational	sea cargo	through	put (Thou	sand ton)	in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	~	1,893	1,769	1,061	1,042	948	927	1,050	1,044	
Cambodia		1,503	1,381	1,587	1,819	2,058	1,874	2,217	2,439	2,659
Indonesia		465,067	492,970	515,154	531,896	536,470	550,955	567,208	580,878	597,665
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		127,499	127,211	127,345	144,138	153,780	138,957	168,999	187,997	187,237
Myanmar		9,799	10,181	10,955	10,928	12,465	19,366	19,798	21,541	24,584
Philippines		70,361	75,832	81,500	82,846	73,897	78,798	96,599	103,657	118,325
Singapore		393,418	423,268	448,504	483,616	515,415	472,300	503,342	530,490	538,012
Thailand		101,558	119,569	130,093	141,796	147,286	131,529	130,316	157,174	178,362
Vietnam		88,368	96,472	106,638	121,062	136,090	170,802	154,154	154,876	173,704
Japan		1,212,034	1,226,323	1,256,467	1,291,555	1,299,032	1,092,976	1,235,348	1,226,232	
ASEAN		1,259,466	1,348,653	1,422,837	1,519,143	1,578,410	1,565,508	1,643,682	1,740,096	1,820,548

Graph 5.3.216 International sea container throughput (Thousand TEUs) in AMSs & Japan (Code 216)

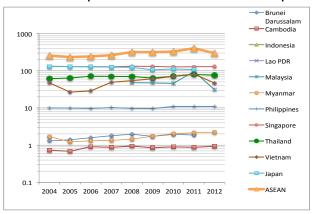


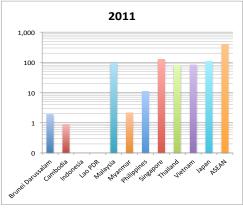


Trend Comparison of AMSs & Japan (2004- 2012)

	Table 5.3.210	6 Interna	tional sea	containe	r through	put (Thou	usand TE	Us) in AM	Ss & Japa	an
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	~~~	101	108	102	99	90	86	92	99	
Cambodia		214	211	231	253	259	208	223	238	255
Indonesia		408	371	344	424	433	443	465	525	551
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		4,870	4,848	5,227	5,663	6,047	5,684	6,464	6,720	6,956
Myanmar		116	172	197	267	264	303	347	408	478
Philippines	/	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	2,970	3,146
Singapore		21,329	23,192	24,792	27,936	29,918	25,867	28,431	29,938	31,649
Thailand		4,830	5,094	5,561	6,177	6,680	5,932	6,499	7,091	7,056
Vietnam		2,105	2,464	2,914	3,716	4,152	4,437	5,363	5,823	6,519
Japan		14,984	15,732	16,616	17,139	17,129	14,745	16,848	17,503	
ASEAN		33,973	36,460	39,369	44,534	47,844	42,960	47,883	53,812	56,610

Graph 5.3.217 Number of international ship calls (Thousand times) in AMSs & Japan (Code 217)



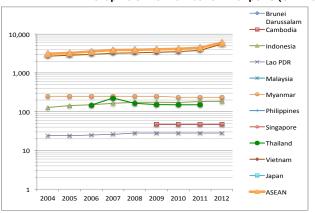


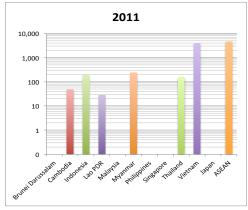
Trend Comparison of AMSs & Japan (2004-2012)

Comparison of AMSs & Japan

	Table 5.3.	217 Num	ber of inte	ernationa	l ship call	s (Thousa	ind times) in AMSs	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1.30	1.40	1.60	1.80	1.97	1.73	1.95	1.88	
Cambodia	-	0.73	0.69	0.91	0.88	0.95	0.85	0.91	0.88	0.94
Indonesia		N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		O/C	O/C	O/C	O/C	48	47	46	96	31
Myanmar		1.69	1.23	1.31	1.34	1.45	1.74	2.02	2.16	2.20
Philippines		10.0	9.9	9.8	10.3	9.7	9.6	11.0	11.0	11.0
Singapore	~~~	133	130	129	129	132	131	127	128	130
Thailand		61	64	72	70	70	64	71	80	76
Vietnam		47	27	29	49	54	61	70	82	47
Japan		130	130	130	126	124	106	112	108	
ASEAN		255	234	243	263	319	317	331	401	298

Graph 5.3.218 Number of river ports (Unit/1000 persons) in AMSs & Japan (Code 218)

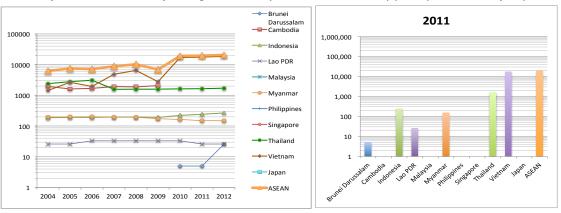




Trend Comparison of AMSs & Japan (2004- 2012)

	Tabl	e 5.3.218	Number	of river po	rts (Unit/	1000 pers	ons) in Al	MSs & Jap	oan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Cambodia	****	N/Col	N/Col	N/Col	N/Col	N/Col	47	47	47	47
Indonesia		128	144	150	165	175	175	173	183	184
Lao PDR		24	24	25	26	28	28	28	28	28
Malaysia		O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C
Myanmar		249	249	249	249	249	249	235	235	235
Philippines		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand				148	224	165	152	150	151	172
Vietnam		2,700	2,850	3,000	3,210	3,300	3,383	3,520	3,822	5,520
Japan		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
ASEAN		3,101	3,267	3,572	3,874	3,917	4,034	4,153	4,466	6,014

Graph 5.3.220 Number of passenger river fleet (domestic+international) (Count) in AMSs & Japan (Code 220)



Trend Comparison of AMSs & Japan (2004- 2012)

Tab	le 5.3.220 No	umber of	passenge	er river fle	et (dome:	stic+inter	national)	(Count) ir	n AMSs &	Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	/^	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	5	5	26
Cambodia	~~~	1,947	1,613	1,684	1,931	1,878	2,083			
Indonesia		187	191	191	196	196	192	221	242	267
Lao PDR	-/	26	26	33	33	33	33	33	26	26
Malaysia		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Myanmar		197	200	201	194	195	173	163	151	148
Philippines		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	~~\	2,398	2,792	3,088	1,558	1,577	1,583	1,631	1,649	1,710
Vietnam		1,437	2,641	1,955	4,901	6,425	2,769	17,054	17,608	18,519
Japan		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
ASEAN		6,192	7,463	7,152	8,813	10,304	6,833	19,107	19,681	20,696

Graph 5.3.221 Number of domestic cargo river fleet (domestic+international) (Count) in AMSs & Japan (Code 221)

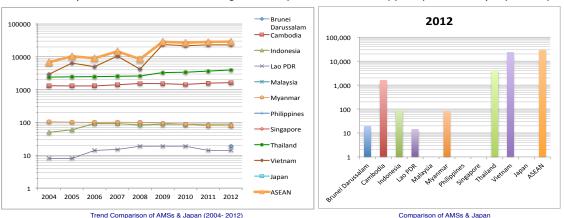
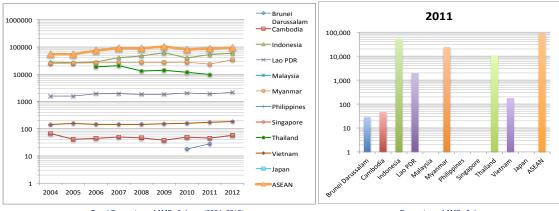


Table	5.3.221 Num	ber of do	mestic ca	rgo river	fleet (don	nestic+int	ernationa	l) (Count)	in AMSs	& Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	*	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	19
Cambodia		1,316	1,296	1,296	1,400	1,543	1,520	1,435	1,583	1,630
Indonesia	A	50	60	93	93	84	89	89	89	89
Lao PDR	-	8	8	14	15	19	19	19	14	14
Malaysia		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Myanmar		105	103	100	103	100	96	89	80	79
Philippines		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		2,403	2,454	2,495	2,557	2,601	3,297	3,393	3,675	3,961
Vietnam		2,938	6,442	5,012	10,501	4,223	23,514	21,762	22,978	23,200
Japan		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
ASEAN		6,820	10,363	9,010	14,669	8,570	28,535	26,787	28,419	28,992

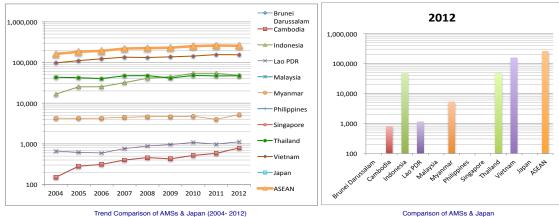
Graph 5.3.222 River passenger traffic (domestic+international) (Thousand person) in AMSs & Japan (Code 222)



Trend Comparison of AMSs & Japan (2004-2012)

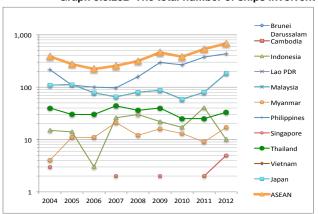
Table	e 5.3.222 Riv	er passer	nger traffi	c (domes	tic+intern	ational) (Thousand	person)	in AMSs	& Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	/	N/App	N/App	N/App	N/App	N/App	N/App	18	28	
Cambodia	\	67	41	44	50	46	38	49	45	57
Indonesia		27,603	26,502	27,830	40,558	46,926	61,012	39,683	52,589	58,673
Lao PDR		1,572	1,570	1,916	1,953	1,811	1,810	2,053	1,899	2,178
Malaysia		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Myanmar		24,719	25,345	26,328	26,886	27,418	27,109	27,571	23,434	33,376
Philippines		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand			17,507	18,481	20,739	13,140	13,979	11,797	9,740	11,562
Vietnam	المستمسيسيسيسيس	143	157	143	145	143	151	158	173	184
Japan		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
ASEAN		54,104	53,615	74,742	90,330	89,484	104,099	81,329	87,908	94,468

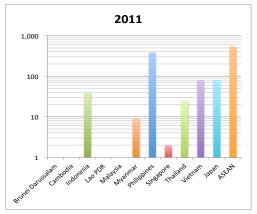
Graph 5.3.223 River cargo throughput (domestic+international) (Unit/1000 persons) in AMSs & Japan (Code 223)



Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/App								
Cambodia		150	283	311	402	460	429	518	584	790
Indonesia		16,607	25,187	25,422	31,937	41,079	44,869	54,127	54,127	48,591
Lao PDR		663	621	598	767	883	960	1,088	993	1,131
Malaysia		N/App								
Myanmar		4,307	4,262	4,284	4,479	4,657	4,684	4,791	3,996	5,256
Philippines		N/App								
Singapore		N/App								
Thailand	~~~~	43,389	42,306	40,340	47,229	47,687	41,561	48,185	46,932	47,423
Vietnam		97,937	111,146	122,984	135,283	133,028	137,715	144,227	157,207	155,162
Japan		N/App								
ASEAN		163,053	183,805	193,939	220,097	227,794	230,218	252,936	263,839	258,353

Graph 5.3.232 The total number of ships involvent in accidents (ships) in AMSs & Japan (Code 232)



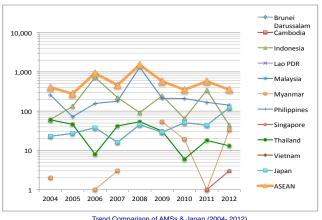


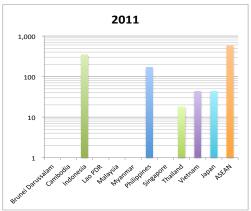
Trend Comparison of AMSs & Japan (2004-2012)

Comparison of AMSs & Japan

	Table 5.3.23	2 The tot	al numbe	er of ships	involven	it in accid	lents (ship	os) in AMS	s & Japa	n
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia		15	14	3	26	30	22	17	41	10
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C
Myanmar		4	11	11	21	12	16	13	9	17
Philippines		216	109	100	97	158	296	268	377	434
Singapore	~~~	3	0	0	2	0	2	0	2	5
Thailand	~~~~	40	30	30	44	36	40	25	25	33
Vietnam		109	112	78	65	80	87	59	80	183
Japan		109	112	78	65	80	87	59	80	183
ASEAN		387	276	222	255	316	463	382	534	682

Graph 5.3.233 The number of deaths and missing (persons) in AMSs & Japan (Code 233)





Trend Comparison of AMSs & Japan (2004- 2012)

	Table 5	5.3.233 TI	he numbe	er of death	ns and mi	ssing (pe	rsons) in	AMSs &	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Cambodia		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Indonesia	~~~~	61	131	727	221	92	247	65	343	44
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/
Malaysia		O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C	O/C
Myanmar		2	0	1	3	0	54	19	1	33
Philippines	~	260	72	156	179	1,328	212	209	168	142
Singapore		0	0	0	0	0	0	0	1	3
Thailand	~~~	60	46	8	42	54	31	6	18	13
Vietnam		23	27	38	16	45	29	51	44	120
Japan		23	27	38	16	45	29	51	44	120
ASEAN		406	276	930	461	1,519	573	350	575	355

6. Air Transport

Outline of Air Transport Statistics

Air Transport Statistics of AMSs and Japan

Comparison of Air Transport Statistics among AMSs and Japan



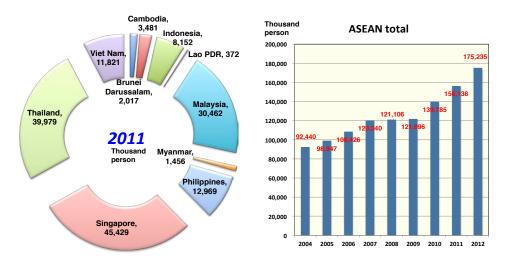
6. Air Transport Statistics

6.1 Outline of Air Transport Statistics

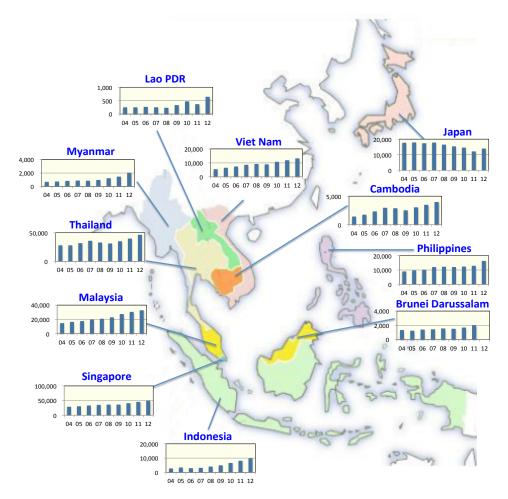




Graph 6.1.1
International air passenger traffic (Thousand person)
(2004 - 2012)



The total number of International air passenger traffic in ASEAN region is 175,235 * thousand person in 2012. It increased by 90 % from 92,440 thousand person at 2004. (*The figure of Brunei Darussalam is not counted) In 2011, Singapore had 45,429 thousand person that was the highest in ASEAN and with 39,979 thousand person, Thailand ranked the second.



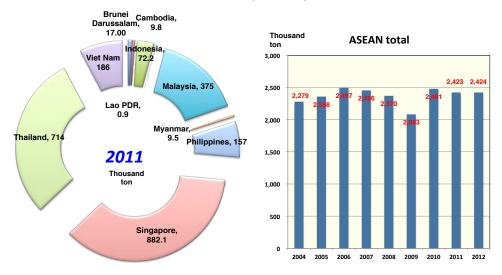




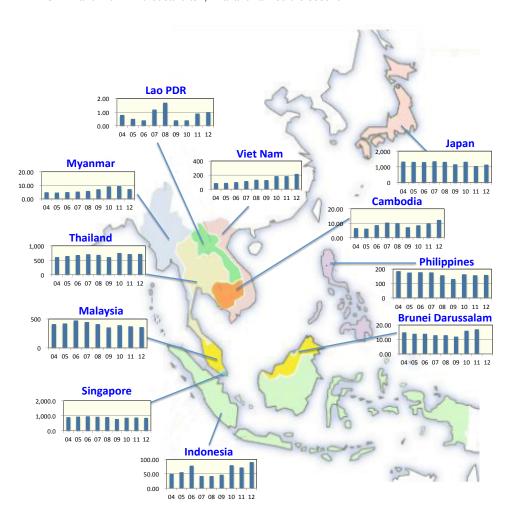


Graph 6.1.2 International air cargo loaded (Thousand ton)

(2004 - 2012)



Total International air cargo loaded in ASEAN region was 2,424 thousand ton and that of Japan was 1,140 thousand ton in 2012. In 2011, Singapore had 882 thousand ton that was the highest in ASEAN and with 714 thousand ton, Thailand ranked the second.



X

6.2 Air Transport Statistics of Each country

In this section, Air transport statistics tables of each country (AMSs & Japan) are prepared. In the air transport sector, 21 indicators (code 301 – 321) are collected based on the ASEAN- Japan Common Data templates. Brief definitions of those indicators are shown in Table 6.2.4. The Glossaries in "Chapter 7" describes them more in detail.

The indicators of "m1: population" and "m2: GDP/capita" are added to these tables for helping further analysis of the data. The indicators of "m3 – m7" are calculated through dividing original indicators by populations for helping comparison of transport indicators among AMSs and Japan. The Indicators of "m1a – m7a" are year-over-year growth rates of indicators. Background colors of "m1a – m6a" indicate deviations of growth rates from a mean level in each line.(Table 6.2.2)

Trend graphs show relative change of indicators along with year. Plot graphs show values and bar chart graphs show percentages, and horizontal lines show zero levels.

Table 6.2.A Additional indicators for further analysis

Code	Indicator name	Actual definition or Activity source of data	Unit/scale
	Miscellaneous		
m1	Population	World Economic Outlook	Million
m1a	Population growth rate	Comparing to the previous year	Percent (%)
m2	GDP per capita	World Economic Outlook	US\$
m2a	Growth rate of GDP per capita	Comparing to the previous year	Percent (%)
m3	Number of commercial aircraft fleet per Million persons	(304) / Population (m1)	Unit / 1000 persons
m3a	Growth rate of number of commercial aircraft fleet per million persons	Comparing to the previous year	Percent (%)
m4	Domestic air passenger traffic per thousand persons	(305) / Population (m1)	Unit / 1000 persons
m4a	Growth rate of Domestic air passenger traffic per thousand persons	Comparing to the previous year	Percent (%)
m5	International air passenger traffic per thousand persons	(308) / Population (m1)	Unit / 1000 persons
m5a	Growth rate of International air passenger traffic per thousand	Comparing to the previous year	Percent (%)
m6	Domestic air cargo traffic /Population	(306) / Population (m1)	Unit / 1000 persons
m6a	Growth rate of number of commercial aircraft fleet per million persons	Comparing to the previous year	Percent (%)
m7	International air cargo loaded + unloaded per thousand persons	(310+311) / Population (m2)	Unit / 1001 persons
m7a	Growth rate of International air cargo loaded + unloaded	Comparing to the previous year	Percent (%)

Table 6.2.B Color hierarchy indicates degree of year-over-year growth rates

100 % max in the line
50 % mean in the line
0 % minimum in the line

Abbreviations for indicating when information/data in a certain template cell is not provided, either because it does not apply to or because the answer is not available are defined as follows. For example, Singapore does not have domestic air transport (code 303, 305 and 315~317), then "N/App" marks should be used in corresponding cells of the air transport common data templates of Singapore.

Table 6.2.C Abbreviations for indicating data not provided

Mark	Abbreviation	Description
N/App	Not Applicable.	The data is not applicable, because there are no transport activities related the indicator.
N/Col	Not Collected	The data is not Collected by any organization of the country, although there are transport activities related the indicator.
N/Cont	Not Contactable	The data is not contactable, although the data seems to be Collected by some organization.
Confi	Confidential	The data is not disclosed by government.
O/C	Other Case	The Other case.

Table 6.2.D Code numbers and suggested definitions of Air transport statistics indicators

Code	Indicator name	Unit/scale of measurement	Suggested definition
A.	Air transport infrastructure		
301	Total number of airports	Count	The total number of international and domestic airports as defined below. Airport is defined as the area of land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of aircrafts and is open for commercial air transport operations.
302	Number of international airports	Count	The number of airports designated by the State in the territory of which it is situated as an airport of entry and departure for international air traffic, where the formalities incident to customs, immigration, public health, agricultural quarantine and similar procedures are carried out, whether such facilities are provided on a full time or part time basis. Includes airports that handle both domestic and international air traffic. Excludes airports that are used solely for military purposes.
303	Number of domestic airports	Count	The number of airports designated by the State in the territory of which it is situated as an airport of entry and departure solely for domestic air traffic, whether such facilities are provided on a full time or part time basis. Excludes airports that are designated to handle both domestic and international air traffic, which should be counted as international airports. Excludes airports that are used solely for military purposes.
B.	Air transport equipment (aircraft)		
304	Commercial aircraft fleet	Count	Total number of commercial aircrafts used for the transport of passengers and/or cargo. Excludes small aircraft engaged in regional services, freight, mail and passenger baggage transport operations.
C.	Air transport measurement; traffic and accid	lents	
305	Domestic air passenger traffic	Thousand person	Number of air passengers that are transported between two airports located in the same country in a given year.
306	Domestic air cargo traffic	Thousand ton	Total weight of freight and mail that are transported between two airports located in the same country in a given year.
307	Domestic aircraft traffic	Count	The total number of aircraft movements (number of flights) between two airports located in the same country in a given year. Note: From records of airports, one pair of landing and take-off count as one aircraft movement.
308	International air passenger traffic	Thousand person	The sum of the number of air passengers that arrived in the country from another country and the number of air passengers that departed the country to travel to another country.
309	International passengers in transit	Thousand person	The total number of air passengers that make a temporary stop or stay (transit) in the country as part of a journey between two or more other countries.
310	International air cargo loaded	Thousand ton	Total weight of freight, as defined below, loaded on an aircraft where the next destination is located outside the territory of the country in which the air journey begins in a given year. Includes weight of any container and packaging by shipper or consigner. Freight refers to any property carried on an aircraft other than mail, stores and baggage. For statistical purposes, freight includes express freight and apracels and diplomatic bags but not passenger baggage. All freight, whether carried on passenger flights or on all-cargo services, should be included.
311	International air cargo unloaded	Thousand ton	Total weight of freight unloaded from an aircraft that has to pass through a customs facility to enter the country in a given year.
312	International aircraft traffic	Count	The total number of aircraft movements (number of flights) between the designated airport in one country and an airport in another country. Note: From records of airports, one pair of landing and take-off count as two aircraft movements.
D.	Others (enterprises, logistics and economic	performance)	
313	Number of airline companies	Count	Total number of commercial air transport operators as defined below. An airline company refers to an entity with a valid operating license for operating commercial air flights. Where airlines have joint-venture or other contractual arrangements requiring two or more of them to assume separate responsibility for the offer and sale of air transport products for a flight or combination of flights, the airline that is actually operating the flight shall be reported.
314	Number of customs clearance points	Count	Total number of locations, offices or centers, including branches and sub-branches, in the country where customs clearance operations are carried out.
315	Total domestic freight volume by air	Thousand ton	Total volume of domestic cargo transported by domestic air routes.
316	Total domestic freight movement by air	Million ton-kilometer	Transported air cargo multiplied by transported distance (million ton-km) in the country.
317	Total import cargo by air	Thousand ton	Total volume of inward air cargo transported by international air routes.
318	Total export cargo by air	Thousand ton	Total volume of outward air cargo transported by international air routes.
E.	Air transport accident		
319	Number of traffic accidents	Cases	The number of occurrences associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, in which one of the following applies: a) A person is fatally or seriously injured. b) The aircraft sustains damage or structural failure. c) The aircraft is missing or is completely inaccessible.
320	Number of traffic accident casualties (dead)	Person	The number of injuries resulting in death within 24 hours* from the accidents is classified as a fatal injury.
321	Number of traffic accident casualties (injuries)	Person	The number of injuries other than fatal injuries, which are sustained by persons in an accident and the number of non-fatal injuries which are sustained by persons in air traffic accidents

^{*} Additional information is described in 7.2 Glossaries for more detail.





Table 6.2.1 Air Transport of Brunei Darussalam (2004 - 2012)

	ole 6.2.1 Air Transport of	Diano. Baraoo	(20	.0.1	,						Count	ryAreaE	Brunei	5,765	km2	(ASEAN- Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remark s
	Miscellaneous															
m1	Population			Million	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.0%	1.7%	1.4%	1.4%	1.3%	1.8%	1.6%	1.5%			
m2	GDP per capita			uss	22,345	26,587	31,469	33,102	38,445	28,237	31,982	41,662	41,703	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		19.0%	18.4%	5.2%	16.1%	-26.6%	13.3%	30.3%	0.1%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	36.93	36.21	30.14	27.03	26.67	26.32	25.84	25.45				
m3a	Growth rate of number of commercial aircraft fleet per million persons			%		-1.9%	-16.8%	-10.3%	-1.3%	-1.3%	-1.8%	-1.5%				
m4	Domestic air passenger traffic per thousand persons	• • • • • • • • • • • • • • • • • • • •	(305) / m1	Passenger/ 1000- persons	Confi											
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%												
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	3,815	3,513	3,841	3,914	4,147	4,021	4,390	5,132				
m5a	Growth rate of International air passenger traffic per thousand			%		-7.9%	9.4%	1.9%	6.0%	-3.0%	9.2%	16.9%				
m6	Domestic air cargo traffic /Population	• • • • • • • • • • • • • • • • • • • •	(306) / m1	ton / 1000persons	Confi											
m6a	Growth rate of number of commercial aircraft fleet per million persons			%												
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	71.02	64.07	60.27	54.05	53.33	50.00	69.77	71.25				
m7a	Growth rate of International air cargo loaded+unloaded			%		-9.8%	-5.9%	-10.3%	-1.3%	-6.3%	39.5%	2.1%				
A.	Air transport infrastructure															
301	Total number of airports			Count	1	1	1	1	1	1	1	1	1		DCA	
302	Number of international airports			Count	1	1	1	1	1	1	1	1	1		DCA	
303	Number of domestic airports			Count	0	0	0	0	0	0	0	0	0		DCA	
В.	Air transport equipment (aircr	aft)														
304	Commercial aircraft fleet	<u> </u>		Count	13	13	11	10	10	10	10	10			DCA	
C.	Air transport measurement; tr	affic and accidents	ı	•												
305	Domestic air passenger traffic			Thousand person	Confi											
306	Domestic air cargo traffic			Thousand ton	Confi											
307	Domestic aircraft traffic	,		Count	Confi											
308	International air passenger traffic			Thousand person	1,343	1,261	1,402	1,448	1,555	1,528	1,699	2,017			DCA	
309	International passengers in transit			Thousand person	240	235	270	263	284	261	235	394			DCA	
310	International air cargo loaded	~~~\		Thousand ton	15	14	14	13	13	12	16	17			DCA	
311	International air cargo unloaded			Thousand ton	10	9	8	7	7	7	11	11			DCA	
312	International aircraft traffic	~~~		Count	23,152	21,071	23,925	22,449	26,626	24,852	29,441	27,822			DCA	
D.	Others (enterprises, logistics and eco	onomic performance)														
313	Number of airline companies			Count	1	1	1	1	1	1	1	1			DCA	
314	Number of customs clearance points			place	2	2	2	2	2	2	2	2			DCA	
315	Total domestic freight volume by air			Thousand tons	N/Cont											
316	Total domestic freight movement by air			Million tons- km	N/Cont											
317	Total import cargo by air			Thousand tons	N/Cont											
318	Total export cargo by air			Thousand tons	N/Cont											
E.	Air transport accident															
319	Number of traffic accidents			Cases	0	0	0	0	0	0	0	0			DCA	
320	Number of traffic accident casualties (dead)			Person	0	0	0	0	0	0	0	0			DCA	
321	Number of traffic accident casualties (injuries)			Person	0	0	0	0	0	0	0	0			DCA	

Table 6.2.2 Air Transport of Cambodia (2004 - 2012)

												Co	ountryA	reaCam	bodia	181,035	km2	Japan Center)
Code	Indicator name	Trer	nd Gra	aph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes Remar s
	Miscellaneous																	
m1	Population					Million	13.55	13.83	14.16	14.32	14.56	14.81	14.95	15.10	15.25	World Economic Outlook	IMF	
m1a	Population growth rate	11.				%		2.1%	2.4%	1.1%	1.7%	1.7%	1.0%	1.0%	1.0%			
m2	GDP per capita					US\$	393	455	514	603	711	703	753	853	934	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita		П	-11		%		15.7%	12.9%	17.4%	17.9%	-1.1%	7.0%	13.4%	9.4%			
m3	Number of commercial aircraft fleet per Million persons				(304) / m1	Unit/ Million persons	N/Col											
тЗа	Growth rate of number of commercial aircraft fleet per million persons					%												
m4	Domestic air passenger traffic per thousand persons	$\overline{}$	1		(305) / m1	Passenger/ 1000- persons	14.10	11.43	11.23	13.06	12.50	9.66	9.10	9.53	11.28			
m4a	Growth rate of Domestic air passenger traffic per thousand persons		-		L	%		-18.9%	-1.7%	16.3%	-4.3%	-22.7%	-5.8%	4.8%	18.3%			
m5	International air passenger traffic per thousand persons				(308) / m1	Passenger/ 1000- persons	106.42	127.93	165.22	207.97	197.71	170.48	204.11	230.48	262.03			
m5a	Growth rate of International air passenger traffic per thousand		I_,		L	%		20.2%	29.1%	25.9%	-4.9%	-13.8%	19.7%	12.9%	13.7%			
m6	Domestic air cargo traffic /Population	_/	/	<u> </u>	(306) / m1	ton / 1000persons	0.00089	0.00047	0.00064	0.00279	0.00082	0.00051	0.00000	0.00079	0.00003			
m6a	Growth rate of number of commercial aircraft fleet per million persons	I				%		-46.9%	36.7%	334.6%	-70.5%	-38.5%	-100.0%		-95.9%			
m7	International air cargo loaded+unloaded per thosand persons	-	/		(310+311) / m1	ton / 1000persons	1.31	1.21	1.60	1.81	1.50	1.02	1.18	0.71	1.82			
m7a	Growth rate of International air cargo loaded+unloaded			ان۔	l	%		-7.0%	31.3%	13.3%	-16.8%	-32.2%	15.4%	-39.8%	156.3%			
A.	Air transport infrastructure																	
301	Total number of airports		$\ \ $			Count	8	8	8	8	8	8	8	8	8		SSCA	
302	Number of international airports					Count	2	2	2	2	2	3	3	3	3		SSCA	
303	Number of domestic airports			Ш		Count	6	6	6	6	6	5	5	5	5		SSCA	
В.	Air transport equipment (aircr	aft)				,												
304	Commercial aircraft fleet					Count	N/Col											
C.	Air transport measurement; tr	affic and	d acci	dents		r										ı		
305	Domestic air passenger traffic	\sim	$\overline{}$	/		Thousand person	191	158	159	187	182	143	136	144	172		SSCA	
306	Domestic air cargo traffic	-/	<i></i>	<u> </u>		Thousand ton	0.0120	0.0065	0.0091	0.0400	0.0120	0.0075	0.0000	0.0120	0.0005		SSCA	
307	Domestic aircraft traffic	~	$\overline{}$	<u></u>		Count	5,869	5,300	4,902	6,410	8,695	6,491	5,461	6,003	6,258		SSCA	
308	International air passenger traffic		<u> </u>	-		Thousand person	1,442	1,769	2,340	2,979	2,879	2,524	3,052	3,481	3,997		SSCA	
309	International passengers in transit		^	_,		Thousand person	N/App	N/App	N/App	N/App	N/App	34	N/Col	N/Col	N/Col		SSCA	
310	International air cargo loaded	/	~			Thousand ton	6.5	6.2	8.6	10.4	9.8	7.3	8.5	9.7	12.3		SSCA	
311	International air cargo unloaded	-	-			Thousand ton	11.2	10.6	14.0	15.5	12.1	7.8	9.1	1.0	15.4		SSCA	
312	International aircraft traffic		-			Count	24,264	26,406	30,746	34,538	32,732	32,150	34,103	37,370	40,407		SSCA	
D.	Others (enterprises, logistics and eco	onomic pe	erforma	ance)														
313	Number of airline companies			ℳ.		Count	24	25	25	25	23	23	23	23	26		SSCA	
314	Number of customs clearance points	,	_/_			Place	6	6	6	6	6	8	8	8	8		Customs	
315	Total domestic freight volume by air	/	1	<u> </u>		Thousand tons	0.0120	0.0065	0.0091	0.0400	0.0120	0.0075	-	0.01200	0.00050		SSCA	
316	Total domestic freight movement by air					Million tons- km	N/App											
317	Total import cargo by air	_/	~	,		Thousand tons	6.5	6.2	8.6	10.4	9.8	7.3	8.5	9.7	12.3		SSCA	
318	Total export cargo by air		`			Thousand tons	11.2	10.6	14.0	15.5	12.1	7.8	9.1	1.0	15.4		SSCA	
	Air transport accident																	
319	Number of traffic accidents					Cases				1							SSCA	
320	Number of traffic accident casualties (dead)					Person				22							SSCA	
321	Number of traffic accident casualties (injuries)					Person				0							SSCA	



Table 6.2.3 Air Transport of Indnesia (2004 - 2012)

Miscellaneous Miscellaneous Million Z18.29 Z21.40 Z24.56 Z27.76 Z31.01 Z34.30 Z37.64 Z41.03 Z41.	Activity source (and the source) and the source (and the sourc	in i
Population Pop	244.47 Economic Outlook 1.4% 3,592 Eworld Economic Outlook 2.3% 1.96 10.63% 292.15 16.98% 40.65 20.2% 2.34 11.6 19.6% Ministry of Transportat Transportat Transportat Decree	IMF
### Population growth rate of GDP per capita ### US\$ 1,178 1,291 1,623 1,898 2,211 2,300 2,986 3,511 ### Population growth rate of GDP per capita ### Population ### Population ### Population ### Population ### Population growth rate of GDP per capita ### Population ### Populatio	244.47 Economic Outlook 1.4% 3,592 Eworld Economic Outlook 2.3% 1.96 10.63% 292.15 16.98% 40.65 20.2% 2.34 11.6 19.6% Ministry of Transportat Transportat Transportat Decree	IMF
Count Coun	1.4% 3,592 Eworld Connemic Coulook 2.3% 1.96 10.63% 292.15 16.98% 40.65 20.2% 2.34 16.5% 1.16 19.6%	
### ### #### #########################	3,592 Economic Outlook 2.3% 1.96 10.63% 292.15 16.98% 40.65 2.34 16.5% 1.16 19.6% Aministry of Transportation	
Number of commercial aircraft fleet per (304)/ml Unit/Million persons 1.30 1.49 1.48 1.33 1.52 1.63 1.82 1.77	2.3% 1.96 10.63% 292.15 16.98% 40.65 20.2% 2.34 16.5% 1.16 19.6%	on DGCA
Million persons (309)/ml persons 1.30 1.49 1.40 1.33 1.32 1.53 1.32 1.77 Mag drowth rate of number of commercial air cargo traffic per thousand persons (305)/ml persons (305)/ml persons (305)/ml persons (305)/ml persons (305)/ml persons (306)/ml persons	10.63% 292.15 16.98% 40.65 20.2% 2.34 16.5% 1.16 19.6%	on DGCA
March Marc	292.15 16.98% 40.65 20.2% 2.34 16.5% 1.16 19.6% Aministry of Transportation Decree	on DGCA
## Count Teach Tea	16.98% 40.65 20.2% 2.34 16.5% 1.16 19.6%	on DGCA
International air passenger traffic per thousand persons (308) / ml Passenger 1000 12.63 15.20 13.20 14.00 17.76 21.36 27.83 33.82	40.65 20.2% 2.34 16.5% 1.16 19.6% Ministry of Transportation Decree	on DGCA
## ## ## ## ## ## ## ## ## ## ## ## ##	20.2% 2.34 16.5% 1.16 19.6% 245 Ministry of Transportation	on DGCA
Mark	2.34 16.5% 1.16 19.6% 245 Ministry of Transportation	on DGCA
1000persons 0.96 1.24 1.20 1.27 1.30 1.47 1.75 2.01	16.5% 1.16 19.6% Ministry of Transportation Decree	on DGCA
International air cargo loaded+unloaded	1.16 19.6% 245 Ministry of Transportat Decree	on DGCA
m7a Graded+unloaded A. Air transport infrastructure Count 187 187 187 187 190 188 233 240 Number of international airports Count 27 27 27 27 27 29 29	19.6% 245 Ministry or Transportat Decree	on DGCA
A. Air transport infrastructure Count 187 187 187 190 188 233 240 Number of international airports Count 27 27 27 27 27 29 29	245 Ministry of Transportat Decree	on DGCA
301 Total number of airports Count 187 187 187 187 190 188 233 240 302 Number of international airports Count 27 27 27 27 27 29 29	245 Transportat Decree	on DGCA
302 Number of international airports Count 27 27 27 27 27 29 29	245 Transportat Decree	on DGCA
	Ministry	
303 Number of domestic airports	29 Transportat Decree	DGCA
	216 Ministry of Transportat Decree	on DGCA
B. Air transport equipment (aircraft)		
304 Commercial aircraft fleet Count 283 329 333 304 351 381 432 426	478 Annual rep From Airlin	ort ie
C. Air transport measurement; traffic and accidents		
305 Domestic air passenger traffic Thousand person 23,764 28,814 34,016 39,162 37,405 43,808 51,775 60,197	71,421 Annual Report Fro	m DGCA
306 Domestic air cargo traffic Thousand ton 209 275 270 288 346 344 416 484	4 572 Annual Report Fro	m DGCA
307 Domestic aircraft traffic Count 281,824 334,087 339,327 484,122 341,119 390,554 417,717 504,519	614,712 Annual Report Fro	m DGCA
308 International air passenger traffic Thousand person 2,757 3,364 2,964 3,189 4,102 5,004 6,614 8,152	9,938 Annual Report Fro	m DGCA
309 International passengers in transit Thousand person 352 263 287 297 331 226 222 288	62 Annual Report Fro	m
310 International air cargo loaded Thousand ton 50.4 55.3 77.9 42.3 42.5 46.5 79.5 72.2	90.7 Annual Report Fro Airline	m DGCA
311 International air cargo unloaded Thousand ton 100.2 93.0 109.7 117.0 153.8 132.1 158.0 162.2	Airport	m
312 International aircraft traffic Count 25,573 31,059 27,767 29,275 37,163 42,870 50,793 61,755	69,946 Annual Report Fro Airline	m DGCA
D. Others (enterprises, logistics and economic performance)		
313 Number of airline companies Count 21 18 17 14 16 16 19 18	21 Annual Report Fro DGCA	m DGCA
314 Number of customs clearance place O/C O/C O/C O/C O/C O/C O/C O/C O/C		DGCE
315 Total domestic freight volume by air Thousand tons 209 275 270 288 346 344 416 484	4 572 Annual Report Fro	m DGCA
316 Total domestic freight movement by Million tons- km 288 1,420 3,514 2,928 415 2,623 1,027 556	638 Annual Report Fro Airline	m DGCA
317 Total import cargo by air Thousand tons O/C O/C O/C O/C O/C O/C O/C O/C O/C	O/C	
318 Total export cargo by air Thousand tons O/C O/C O/C O/C O/C O/C O/C O/C O/C	O/C	
E. Air transport accident		
319 Number of traffic accidents	10	NTSC / DGCA
320 Number of traffic accident casualties (dead) Person 31 114 12 124 5 39 3 72	13	NTSC / DGCA
		NTSC /

Table 6.2.4 Air Transport of Lao PDR (2004 - 2012)

	bie 0.2.4 Ali Transport o	()	,								Cou	ntryAre	aLaos	236,800	km2	(ASEAN-Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011		Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remark s
	Miscellaneous															
m1	Population			Million	5.67	5.75	5.84	5.93	6.02	6.11	6.20	6.29	6.38	World Economic Outlook	IMF	
m1a	Population growth rate			%		1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.4%	1.4%			
m2	GDP per capita			uss	419	474	610	712	879	916	1,105	1,320	1,446	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	dat m.		%		13.0%	28.8%	16.8%	23.4%	4.2%	20.7%	19.4%	9.5%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons												
m3a	Growth rate of number of commercial aircraft fleet per million persons			%												
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	28.94	26.94	28.59	42.15	43.67	39.76	45.64	49.50	72.62			
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%		-6.90%	6.10%	47.45%	3.61%	-8.97%	14.79%	8.46%	46.70%			
m5	International air passenger traffic per thousand persons	~	(308) / m1	Passenger/ 1000- persons	45.00	44.32	45.87	42.32	39.52	55.17	76.12	59.18	100.69			
m5a	Growth rate of International air passenger traffic per thousand			%		-1.5%	3.5%	-7.7%	-6.6%	39.6%	38.0%	-22.3%	70.2%			
m6	Domestic air cargo traffic /Population	$\overline{}$	(306) / m1	ton / 1000persons	0.04	0.05	0.03	0.13	0.10	0.07	0.11	0.32	0.08			
m6a	Growth rate of number of commercial aircraft fleet per million persons			%		47.8%	-34.3%	294.0%	-26.1%	-34.3%	72.5%	181.8%	-75.3%			
m7	International air cargo loaded+unloaded per thosand persons	/	(310+311) / m1	ton / 1000persons								0.24	0.31			
m7a	Growth rate of International air cargo loaded+unloaded	•		%									27.4%			
A.	Air transport infrastructure															
301	Total number of airports			Count	12	12	12	12	12	13	13	13	13	MPWT	AD	
302	Number of international airports			Count	3	3	3	3	3	4	4	4	4			
303	Number of domestic airports			Count	8	8	9	9	9	9	9	9	9			
В.	Air transport equipment (aircr	aft)														
304	Commercial aircraft fleet			Count												
C.	Air transport measurement; tr	affic and accidents														
305	Domestic air passenger traffic			Thousand person	164	155	167	250	263	243	283	311	463	MPWT	AD	
306	Domestic air cargo traffic	\sim		Thousand ton	0.2	0.3	0.2	0.8	0.6	0.4	0.7	2.0	0.5			
307	Domestic aircraft traffic	,,,,,,		Count	4,827	4,367	8,896	10,160	11,032	11,830	12,856	14,257	19,627			
308	International air passenger traffic	~		Thousand person	255	255	268	251	238	337	472	372	642			
309	International passengers in transit			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	83.3	85.4			
310	International air cargo loaded			Thousand ton	0.8	0.5	0.4	1.2	1.7	0.4	0.4	0.9	1.0			
311	International air cargo unloaded	7		Thousand ton	N/App	N/App	N/App	N/App	N/App	N/App	N/App	0.61	0.95			
312	International aircraft traffic	• • • • • •		Count												
D.	Others (enterprises, logistics and eco	onomic performance)														
313	Number of airline companies			Count	1	1	2	2	2	4	4	8	8	MPWT	AD	
314	Number of customs clearance points	TT		place	1	1	1	1	1	1	1	1	1			
315	Total domestic freight volume by air	\wedge		Thousand tons	0.2	0.3	0.2	0.8	0.6	0.4	0.7	2.0	0.5			
316	Total domestic freight movement by air	_/		Million tons- km	0.600	0.300	0.300	0.194	0.287	0.193	0.244	0.400	0.600			
317	Total import cargo by air			Thousand tons	N/App	N/App	N/App	N/App	223	211	207	246	249			
318	Total export cargo by air			Thousand tons	N/App	N/App	N/App	N/App	91	73	89	122	114			
E.	Air transport accident															
319	Number of traffic accidents			Cases	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
320	Number of traffic accident casualties (dead)			Person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
321	Number of traffic accident casualties (injuries)			Person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App			
			-													



Table 6.2.5 Air Transport of Malaysia (2004 - 2012)

	bie 0.2.5 All Transport 0	, ,	,							c	Country	AreaMa	laysia	330,803	km2	(ASEAN- Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remark s
	Miscellaneous															
m1	Population			Million	25.91	26.48	26.83	27.19	27.54	28.08	28.59	28.96	29.46	World Economic Outlook	IMF	
m1a	Population growth rate	Intellet		%		2.2%	1.3%	1.3%	1.3%	2.0%	1.8%	1.3%	1.7%			
m2	GDP per capita			uss	4,816	5,421	6,066	7,122	8,390	7,203	8,634	9,941	10,304	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		12.6%	11.9%	17.4%	17.8%	-14.1%	19.9%	15.1%	3.7%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons		20.47	21.39	21.92	23.42	25.14	26.48	28.45	29.36			
m3a	Growth rate of number of commercial aircraft fleet per million persons	· Hil.		%			4.5%	2.5%	6.8%	7.3%	5.3%	7.4%	3.22%			
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	908.86	950.56	940.59	961.41	993.21	1,041.06	1,077.02	1,182.12	1,168.86			
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%		4.59%	-1.05%	2.21%	3.31%	4.82%	3.45%	9.76%	-1.12%			
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	570.47	626.32	658.62	726.04	759.52	814.79	964.50	1,051.72	1,112.30			
m5a	Growth rate of International air passenger traffic per thousand			%		9.8%	5.2%	10.2%	4.6%	7.3%	18.4%	9.0%	5.8%			
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	7.22	7.78	7.23	6.58	6.32	5.38	6.09	6.15	5.70			
m6a	Growth rate of number of commercial aircraft fleet per million persons			%		7.8%	-7.1%	-8.9%	-4.0%	-14.9%	13.2%	1.0%	-7.2%			
m7	International air cargo loaded+unloaded per thosand persons	{	(310+311) / m1	ton / 1000persons	29.45	29.46	32.16	30.13	27.67	23.32	26.06	24.96	24.20			
m7a	Growth rate of International air cargo loaded+unloaded			%		0.0%	9.2%	-6.3%	-8.2%	-15.7%	11.7%	-4.2%	-3.0%			
A.	Air transport infrastructure															
301	Total number of airports			Count	20	20	20	20	21	21	21	22	28		DCA	
302	Number of international airports			Count	5	5	5	5	6	6	6	6	6		DCA	
303	Number of domestic airports			Count	15	15	15	15	15	15	15	16	22		DCA	
В.	Air transport equipment (aircr	aft)														
304	Commercial aircraft fleet	/		Count	o/c	542	574	596	645	706	757	824	865		DCA	
C.	Air transport measurement; tr	affic and accidents														
305	Domestic air passenger traffic			Thousand person	23,544	25,168	25,238	26,137	27,354	29,235	30,791	34,239	34,431		MAHB	
306	Domestic air cargo traffic			Thousand ton	187	206	194	179	174	151	174	178	168		МАНВ	
307	Domestic aircraft traffic			Count	331	369	357	333	332	351	383	417	405		МАНВ	
308	International air passenger traffic			Thousand person	14,778	16,583	17,672	19,738	20,918	22,881	27,574	30,462	32,765		МАНВ	
309	International passengers in transit			Thousand person	622	605	522	406	330	328	420	434	385		МАНВ	
310	International air cargo loaded	→		Thousand ton	413	424	475	449	413	354	393	375	361		МАНВ	
311	International air cargo unloaded	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Thousand ton	350	356	388	370	349	301	352	348	352		МАНВ	
312	International aircraft traffic			Count	124	141	148	157	165	185	207	228	241		MAHB	
D.	Others (enterprises, logistics and ec	onomic performance)														
313	Number of airline companies			Count	4	4	4	6	7	7	7	7	7		DCA	
314	Number of customs clearance points			place	5	5	5	5	6	6	6	6	6		DCA	
315	Total domestic freight volume by air			Thousand tons	175	195	184	168	161	146	173	176	172		DCA	
316	Total domestic freight movement by air			Million tons- km	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
317	Total import cargo by air			Thousand tons	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
318	Total export cargo by air			Thousand tons	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont			
E.	Air transport accident	A .														
319	Number of traffic accidents	~/\		Cases	6	5	6	9	12	5	12	8	4		DCA	
320	Number of traffic accident casualties (dead)	\		Person	13	6	2	0	1	0	4	1	4		DCA	
321	Number of traffic accident casualties (injuries)	$\overline{}$		Person	1	1	0	0	2	1	7	0	0		DCA	

Table 6.2.6 Air Transport of Myanmar (2004 - 2012)

		i Myaninai (2004								С	ountry/	AreaMya	anmar	678,500	km2	(ASEAN- Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remark s
	Miscellaneous													Model		
m1	Population			Million	54.30	55.39	56.51	57.64	58.80	59.98	61.19	62.42	63.67	World Economic Outlook	IMF	
m1a	Population growth rate			%		2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%			
m2	GDP per capita			us\$	195	216	257	350	533	587	742	824	835	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita			%		11.2%	18.6%	36.4%	52.4%	10.1%	26.3%	11.1%	1.3%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	0.39	0.43	0.48	0.45	0.43	0.37	0.47	0.46	0.47			
m3a	Growth rate of number of commercial aircraft fleet per million persons			%		12.0%	10.3%	-5.6%	-5.7%	-13.7%	29.2%	-2.0%	1.41%			
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	23.66	23.88	33.57	18.90	14.05	12.88	14.09	22.13	25.16			
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%		0.91%	40.60%	-43.70%	-25.66%	-8.32%	9.38%	57.06%	13.71%			
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	12.48	13.24	14.77	15.23	14.23	16.13	19.81	23.32	31.96			
m5a	Growth rate of International air passenger traffic per thousand			%		6.1%	11.6%	3.1%	-6.6%	13.3%	22.8%	17.7%	37.0%			
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	0.05	0.03	0.02	0.04	0.01	0.06	0.01	0.01	0.02			
m6a	Growth rate of number of commercial aircraft fleet per million persons			%		-46.8%	-44.5%	151.9%	-67.2%	349.1%	-78.0%	13.5%	48.2%			
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	0.17	0.17	0.17	0.18	0.21	0.22	0.26	0.26	0.24			
m7a	Growth rate of International air cargo loaded+unloaded			%		-2.9%	2.4%	2.1%	18.6%	7.7%	14.3%	-0.3%	-6.3%			
A.	Air transport infrastructure															
301	Total number of airports	IIIII		Count	59	60	62	62	62	32	32	32	32		DCA	
302	Number of international airports			Count	2	2	2	2	2	2	2	2	2		DCA	
303	Number of domestic airports	IIIII		Count	57	58	60	60	60	30	30	30	30		DCA	
В.	Air transport equipment (aircra	aft)														
304	Commercial aircraft fleet	$\overline{}$		Count	21	24	27	26	25	22	29	29	30		DCA	
C.	Air transport measurement; tra	affic and accidents														
305	Domestic air passenger traffic	\sim		Thousand person	1,285	1,323	1,897	1,089	826	773	862	1,381	1,602		DCA	
306	Domestic air cargo traffic	$\searrow \searrow$		Thousand ton	2.8	1.5	0.9	2.2	0.7	3.4	0.8	0.9	1.3		DCA	
307	Domestic aircraft traffic	1		Count	22,546	29,933	16,119	16,824	22,263	21,834	23,880	38,073	45,872		DCA	
308	International air passenger traffic			Thousand person	678	733	835	878	837	968	1,212	1,456	2,035		DCA	
309	International passengers in transit			Thousand person	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App		DCA	
310	International air cargo loaded			Thousand ton	4.9	4.7	5.1	5.4	5.9	7.2	9.3	9.6	7.2		DCA	
311	International air cargo unloaded			Thousand ton	4.5	4.6	4.6	4.7	6.4	6.3	6.4	6.3	8.0		DCA	
312	International aircraft traffic	/		Count	7,600	7,870	8,026	8,602	7,184	7,889	11,234	14,150	18,438		DCA	
D.	Others (enterprises, logistics and eco	onomic performance)														
313	Number of airline companies			Count	5	5	5	5	5	5	5	7	7		DCA	
314	Number of customs clearance points			place	8	8	8	8	2	2	2	2	2		DCA	
315	Total domestic freight volume by air	\sim		Thousand tons	2.80	1.52	0.86	2.21	0.62	5.58	0.69	0.64	1.18		DCA	
316	Total domestic freight movement by air			Million tons- km					0.273	0.326	0.291	0.265	2.158		DCA	
317	Total import cargo by air			Thousand tons	4.93	4.74	5.09	5.38	6.35	6.28	6.36	6.33	7.99		DCA	
318	Total export cargo by air			Thousand tons	4.46	4.56	4.62	4.73	5.88	7.16	9.31	9.64	7.23		DCA	
E.	Air transport accident															
319	Number of traffic accidents			Cases	0	1	0	0	1	1	0	2	2		DCA	
320	Number of traffic accident casualties (dead)			Person	0	0	0	0	0	0	0	3	2		DCA	
321	Number of traffic accident casualties (injuries)			Person	0	0	0	0	2	3	0	2	10		DCA	

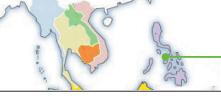


Table 6.2.7 Air Transport of Philippines (2004 - 2012)

	ble 6.2.7 Air Transport o	`								Cou	ntryAre	aPhilip	pines	299,764	km2	(ASEAN- Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes. Remar
	Miscellaneous															
m1	Population	· Andrews		Million	83.56	85.26	86.97	88.71	90.50	91.00	92.60	94.20	95.80	World Economic Outlook	IMF	
m1a	Population growth rate	TIII_III		%		2.0%	2.0%	2.0%	2.0%	0.6%	1.8%	1.7%	1.7%	Outlook		
m2	GDP per capita	مسمهمر		uss	1,093	1,209	1,405	1,684	1,918	1,851	2,155	2,386	2,614	World Economic	IMF	
m2a	Growth rate of GDP per capita	alla las		%		10.6%	16.2%	19.8%	13.9%	-3.5%	16.4%	10.7%	9.6%	Outlook		
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/CoI	N/Col	N/Col			
m3a	Growth rate of number of commercial			%												
m4	aircraft fleet per million persons Domestic air passenger traffic per	~/	(305) / m1	Passenger/ 1000- persons	169.71	172.56	180.86	236.13	252.09	316.88	286.72	386.58	436.17			
m4a	thousand persons Growth rate of Domestic air passenger traffic per thousand persons	I • I -		%		1.68%	4.81%	30.56%	6.76%	25.70%	-9.52%	34.83%	12.83%			
m5	International air passenger traffic per		(308) / m1	Passenger/ 1000-	108.30	114.44	117.99	136.76	135.84	132.95	133.70	137.68	171.41			
m5a	thousand persons Growth rate of International air		(/,)	persons %		5.7%	3.1%	15.9%	-0.7%	-2.1%	0.6%	3.0%	24.5%			
m6	passenger traffic per thousand Domestic air cargo traffic /Population	- \ \ \ \ \	(306) / m1	ton /	3.26	3.33	2.57	3.99	2.93	3.79	3.07	3.13	3.57			
m6a	Growth rate of number of commercial		(000)71	1000persons		2.1%	-22.9%	55.6%	-26.7%	29.3%	-19.0%	2.1%	13.9%			
m7	aircraft fleet per million persons International air cargo loaded+unloaded	~ /	(310+311) /	ton /	3.74	3.63	3.49	3.69	3.08	2.77	3.31	3.08	3.58			
m7a	per thosand persons Growth rate of International air cargo		m1	1000persons	3.74	-2.9%	-3.8%	5.7%	-16.5%	-10.1%	19.4%	-6.8%	16.1%			
	Air transport infrastructure			/*		-2.9 /8	-3.6 /6	5.7 /6	-10.5 /6	-10.1 /8	19.4 /6	-0.6 /8	10.176			
A. 301				Count	85	85	85	85	85	85	85	85	85		AMS,	
302	Total number of airports			Count	8	8	8	9	10	9	9	9	10		CAAP AMS,	
303	Number of international airports			Count	77	77	77	76	75	76	76	76	75		CAAP AMS,	
	Number of domestic airports Air transport equipment (aircr	att)		Count		"	"	70	75	70	70	70	75		CAAP	
304	Commercial aircraft fleet	arty		Count	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
	Air transport measurement; tr	affic and accidents		- Count	10001	1000.	10001					1000.				
305	Domestic air passenger traffic			Thousand	14,181	14,713	15,729	20,947	22,814	28,836	26,550	36,416	41,785		AMS, CAAP,MIA	
306	Domestic air cargo traffic			person Thousand ton	273	284	223	354	265	345	284	295	342		AMS, CAAP,MIA	
307	Domestic aircraft traffic	/		Count	297,119		254,420	451,328	498,628	267,610	432,628		912,816		AMS, CAAP,MIA	
	International air passenger traffic			Thousand	9,049		10,261	12,132	12,293	12,099	12,381	12,969	16,421		AMS, CAAP,MIA	
309	International passengers in transit			person Thousand	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col		AMS,	
		· .		person											AMS.	
310	International air cargo loaded	7		Thousand ton	186		178	177	157	130	164	157	159		CAAP,MIA AMS,	
311	International air cargo unloaded	~~~,		Thousand ton	127	133	126	150	69,185	71,933	143	72 200	184		CAAP,MIA A AMS,	
312 D.	International aircraft traffic Others (enterprises, logistics and ec	onomic performance)		Count	52,168	53,040	57,739	71,633	09,185	71,933	67,321	72,390	185,384		CAAP,MIA A	
313	Number of airline companies	per of market		Count	37	42	44	45	47	47	56	58	53		CAB	
314	Number of customs clearance			place	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			
315	points Total domestic freight volume by air	7-1		Thousand	140.0	139.0	132.0	142.0	137.0	148.0	185.0	183.0	205.0			
316	Total domestic freight movement by			Million tons-	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/CoI	N/Col	N/Col			
317	air Total import cargo by air	<i>/</i>		Thousand	132.5	146.5	152.6	149.5	147.5	147.2	152.0	144.0	156.0			
318	Total export cargo by air			Thousand	159	172	171	161	149	134	144	138	145			
	Air transport accident	~~		tons												
319	Number of traffic accidents			Cases	10	17	15	24	17	19	16	24	20			
320	Number of traffic accident			Person	4	12	2	6	2	10	0	19	6			
321	casualties (dead) Number of traffic accident	<u>-1-1-11</u>	l .	Person	10	3	3	7	2	25	0	6	0			
	casualties (injuries)						J	•	-	23	ŭ		J			





Table 6.2.8 Air Transport of Singapore (2004 - 2012)

			4 - 2012							Co	untryA	reaSing	apore	710	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remarks
	Miscellaneous													<u> </u>		
m1	Population			Million	4.27	4.40	4.59	4.84	4.99	5.08	5.18	5.31	5.41	World Economic Outlook	IMF	
m1a	Population growth rate			%		3.2%	4.3%	5.4%	3.1%	1.8%	2.1%	2.5%	1.8%			
m2	GDP per capita			US\$	26,419	28,498	31,739	36,754	38,213	37,195	44,697	50,000	51,162	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	ul. li.		%		7.9%	11.4%	15.8%	4.0%	-2.7%	20.2%	11.9%	2.3%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons				28.72	29.27	31.12	32.21	33.32	37.56			
m3a	Growth rate of number of commercial aircraft fleet per million persons			%					1.9%	6.3%	3.5%	3.4%	12.72%			
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	N/App											
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%												
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	6,706	6,980	7,271	7,279	7,275	7,108	7,894	8,552	9,234			
m5a	Growth rate of International air passenger traffic per thousand			%		4.1%	4.2%	0.1%	0.0%	-2.3%	11.1%	8.3%	8.0%			·
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	N/App											
m6a	Growth rate of number of commercial aircraft fleet per million persons			%												
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	417	417	417	392	373	322	350	351	#VALUE!			
m7a	Growth rate of International air cargo loaded+unloaded	•••		%		0.1%	0.0%	-6.0%	-4.9%	-13.6%	8.6%	0.4%	#VALUE!			
A.	Air transport infrastructure														,	
301	Total number of airports			Count	2	2	2	2	2	2	2	2	2	Department of Statistics (Monthly Digest of Statistics Singapore)	CAAS	
302	Number of international airports			Count	2	2	2	2	2	2	2	2	2			
303	Number of domestic airports			Count	N/App											
В.	Air transport equipment (aircr	aft)												T		
304	Commercial aircraft fleet			Count	N/App	N/App	N/App	139	146	158	167	177	203	Singapore Aircraft Register	CAAS	
C.	Air transport measurement; tr	affic and accidents														
305	Domestic air passenger traffic			Thousand person	N/App											
306	Domestic air cargo traffic			Thousand ton	N/App											
307	Domestic aircraft traffic			Count	N/App											
308	International air passenger traffic			Thousand person	28,606	30,720	33,368	35,221	36,288	36,089	40,924	45,429	49,910		CAAS	*1
309	International passengers in transit			Thousand person	1,748	1,710	1,665	1,480	1,407	1,115	1,115	1,115	1,272	Singapore)	CAAS	*2
310	International air cargo loaded			Thousand ton	905	942	958	931	905	787	872	882	856	Department of Statistics (Monthly Digest of Statistics Singapore)	CAAS	*3
311	International air cargo unloaded			Thousand ton	873	894	956	966	954	848	941	983	Confi			
312	International aircraft traffic			Count	184,932	204,138	214,224	220,746	231,926	240,360	265,593	301,711	324,722		CAAS	*4
	Others (enterprises, logistics and eco	onomic performance)														
	Number of airline companies Number of customs clearance			Count	63	68	65	62	64	67	75	80		Singapore Customs'	CAAS	*5
314	points			place Thousand	7	7	7	7	8	8	8	8	7	website	CAAS	*6
315	Total domestic freight volume by air Total domestic freight movement by			tons Million tons-	N/App											
316	Total import cargo by air			km Thousand	N/App	Department of	CAAC									
317				tons Thousand	871	892	953	964	952	847	941	983	979	Singapore)	CAAS	*7
318 E.	Total export cargo by air Air transport accident			tons	905	942	958	931	905	787	872	882	856	Department of Statistics (Monthly Digest of Statistics Singapore)	CAAS	
319	Number of traffic accidents			Cases	1	0	0	0	0	0	2	1	0		CAAS	
320	Number of traffic accident casualties (dead)			Person	0	0	0	0	0	0	0	0	0		CAAS	
320	Number of traffic accident			Person	1	0	0	0	0	0	0	9	0		CAAS	
	casualties (injuries) Refers to Changi Airport Only. The figures prov	ided for 2011-2012 for internation	al air passeno											d to the DOS mon		res.



Table 6.2.9 Air Transport of Thailand (2004 - 2012)

	able 6.2.9 Air Transport c	7 manana (2004	2012	•							Country	AreaTh	ailand	513,120	km2	(ASEAN-Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of	Notes/ Remarks
	Miscellaneous															
m1	Population			Million	61.97	62.42	62.83	63.04	63.39	63.53	63.88	64.08	64.46	World Economic Outlook	IMF	
m1a	Population growth rate	11.1.1.1		%		0.7%	0.7%	0.3%	0.6%	0.2%	0.6%	0.3%	0.6%			
m2	GDP per capita	مستمهممي		us\$	2,603	2,825	3,296	3,918	4,300	4,151	4,992	5,395	5,678	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	alla_la_	ı	%		8.5%	16.7%	18.9%	9.8%	-3.5%	20.2%	8.1%	5.3%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	2.60	3.03	3.15	3.52	3.72	3.51	3.87	4.49	4.98			
m3a	Growth rate of number of commercial aircraft fleet per million persons	بالمهمداك	l	%		16.5%	4.1%	11.7%	5.7%	-5.7%	10.2%	16.2%	10.80%			
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	351.69	344.79	383.75	422.18	392.90	415.85	421.63	486.63	563.51			
m4a	Growth rate of Domestic air passenger traffic per thousand persons	111		%		-1.96%	11.30%	10.01%	-6.93%	5.84%	1.39%	15.41%	15.80%			
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	452.97	449.80	507.64	570.21	518.30	493.60	549.97	623.89	718.65			
m5a	Growth rate of International air passenger traffic per thousand	_11,,111		%		-0.7%	12.9%	12.3%	-9.1%	-4.8%	11.4%	13.4%	15.2%			
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	1.84	1.93	1.94	1.75	1.67	1.63	1.90	2.04	2.02			
m6a	Growth rate of number of commercial aircraft fleet per million persons			%		4.7%	0.4%	-9.7%	-4.4%	-2.3%	16.2%	7.7%	-1.3%			
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	16.29	17.22	17.86	18.46	18.14	15.87	19.88	19.88	20.28			
m7a	Growth rate of International air cargo loaded+unloaded			%		5.7%	3.8%	3.3%	-1.7%	-12.5%	25.2%	0.0%	2.0%			
A.	Air transport infrastructure													T		
301	Total number of airports			Count	34	34	35	35	35	35	35	35	35	Transport Statistics	DCA	
302	Number of international airports			Count	5	5	6	6	6	6	6	6	6	Transport Statistics	DCA	
303	Number of domestic airports			Count	29	29	29	29	29	29	29	29	29	Transport Statistics	DCA	
В.	Air transport equipment (aircr	aft)	T											I _		
304	Commercial aircraft fleet			Count	161	189	198	222	236	223	247	288	321	Transport Statistics	DCA	
C.	Air transport measurement; tr	affic and accidents	1											T		
305	Domestic air passenger traffic			Thousand person	21,794	21,522	24,111	26,614	24,906	26,419	26,934	31,183	36,324	Transport Statistics	DCA	
306	Domestic air cargo traffic			Thousand ton	114	120	122	110	106	104	121	131	130	Statistics	DCA	
307	Domestic aircraft traffic			Count	180,769	196,597	216,037	248,860		219,347	238,689			Statistics	DCA	
308	International air passenger traffic			Thousand person	28,070	28,077	31,895	35,946	32,855	31,358	35,132	39,979		Air Transport Statistic	AOT	
309	International passengers in transit			Thousand person	1,881	1,922	1,849	1,712	1,532	1,470	1,558	1,626	1,370	Ottationo	AOT	
310	International air cargo loaded			Thousand ton	612	647	681	711	688	609	752	714	720	Statistic	AOT	
311	International air cargo unloaded			Thousand ton	398	428	442	453	462	400	518	560	588	Air Transport Statistic	AOT	
312	International aircraft traffic			Count	187,958	193,910	204,440	218,653	211,741	202,745	221,504	253,373	227,808	Statistic	AOT	
	Others (enterprises, logistics and eco	onomic performance)														
	Number of airline companies Number of customs clearance			Count	38	40	45	48	49	49	52	54	55		DCA	
314	points			place Thousand	50	50	50	50	50	50	50	50	50	Transport	CD	
315	Total domestic freight volume by air Total domestic freight movement by			tons Million tons-	114	120	122	110	106	104	121	130	131	Statistics	DCA	
316	air	\wedge		km Thousand	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	Transport	Custo	
	Total export cargo by air	^		Thousand	490	914	744 963	223 462	241 418	397	265 459	282	319	Statistics Transport	Customs	
	Total export cargo by air Air transport accident	1		tons	401	444	963	462	418	397	459	443	427	Statistics	Customs	
	Number of traffic accidents			Cases	7	4	7	8	5	3	5	11	7	Transport	DCA	
320	Number of traffic accident	<u> </u>		Person	2	3	0	92	0	1	1	2	1	Statistics Transport	DCA	include the disappearanc e
321	Number of traffic accident			Person	5	0	2	45	0	15	0	0	6	Statistics Transport	DCA	e
	casualties (injuries)		J	1					1		,			Statistics	1	1

Table 6.2.10 Air Transport of Viet Nam (2004 - 2012)

											Country	AreaVi	etnam	331,690	km2	(ASE:AN- Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/a dministrative reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes Rema s
	Miscellaneous															
m1	Population	· · · · · · · · · · · · · · · · · · ·		Million	82.03	83.11	84.16	85.16	86.18	87.21	88.26	89.32	90.39	World Economic Outlook	IMF	
m1a	Population growth rate	IIIIIII		%		1.3%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	Oddook		
m2	GDP per capita	مسمسم		uss	554	637	724	835	1,048	1,068	1,174	1,374	1,528	World Economic	IMF	
m2a	Growth rate of GDP per capita			%		15.0%	13.7%	15.3%	25.5%	2.0%	9.8%	17.1%	11.2%	Outlook		
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	0.56	0.55	0.55	0.62	0.73	0.75	0.93	1.05	1.07			
	Growth rate of number of commercial			%		-1.3%	-1.2%	13.9%	17.5%	2.0%	24.7%	13.3%	1.97%			
4	aircraft fleet per million persons Domestic air passenger traffic per		(305) / m1	Passenger/ 1000- persons	39.70	46.60	54.07	68.04	81.51	98.45	117.25	133.44	134.52			
4	thousand persons Growth rate of Domestic air passenger	nalista.		%		17.39%	16.02%	25.84%	19.80%	20.77%	19.11%	13.80%	0.81%			
mE	traffic per thousand persons International air passenger traffic per		(308) / m1	Passenger/ 1000- persons	66.58	77.34	88.19	100.50	106.07	102.13	121.53	132.35	146.07			
F-	thousand persons Growth rate of International air		(),1	persons %		16.2%	14.0%	14.0%	5.5%	-3.7%	19.0%	8.9%	10.4%			
	passenger traffic per thousand		(306) / m1	ton /	0.68	0.81	0.91	0.99	1.04	1.15	1.40	1.45	1.35			
	Domestic air cargo traffic /Population Growth rate of number of commercial		(300) / M1	1000persons	0.00	18.2%	13.3%	8.6%	5.2%	10.1%	21.7%	3.4%	-7.0%			
7	aircraft fleet per million persons International air cargo loaded+unloaded		(310+311)/	ton /	105				2.95				4.52			
7	per thosand persons Growth rate of International air cargo		m1	1000persons	1.95	2.02	2.26	2.66		2.89	3.85	3.90				
III/a	loaded+unloaded	1111_1		%		3.9%	11.8%	17.5%	11.1%	-2.2%	33.0%	1.5%	15.7%			
	Air transport infrastructure				40	40	40	40	40				0.4		0441/	
	Total number of airports			Count	18	18	18	18	19	20	20	20	21		CAAV	
	Number of international airports	<u></u> .!!!!		Count	3	3	3	3	3	6	6	6	9		CAAV	
	Number of domestic airports	-#)		Count	15	15	15	15	16	14	14	14	12		CAAV	
	Air transport equipment (aircr	art)			40	40	40	50		05			07		0441/	
	Commercial aircraft fleet Air transport measurement; tr	offic and assidents		Count	46	46	46	53	63	65	82	94	97		CAAV	
	Domestic air passenger traffic	and accidents		Thousand	3,257	3,873	4,550	5,794	7,025	8,586	10,349	11,918	12,159		CAAV	
	Domestic air cargo traffic			person Thousand ton	56.0	67.1	77.0	84.6	90.0	100.3	123.5	129.2	121.6		CAAV	
		A PARTY OF THE PAR	**													
	Domestic aircraft traffic		*1	Thousand Thousand	33,309	36,988	39,558	46,564	54,688	66,554	82,348	102,476	105,260		CAAV	
	International air passenger traffic			person Thousand	5,461	6,428	7,422	8,558	9,141	8,907	10,726	11,821	13,203		CAAV	
	International passengers in transit			person	33.3	46.8	47.1	59.1	69.0	81.3	85.2	47.0	21.5		CAAV	
	International air cargo loaded			Thousand ton	85.9	88.2	99.4	115.9	134.4	129.3	186.1	185.7	216.6		CAAV	
	International air cargo unloaded			Thousand ton	73.9	80.1	91.1	110.5	120.2	122.8	153.3	163.0	191.8		CAAV	
	International aircraft traffic			Count	44,605	49,443	53,932	61,981	67,723	67,367	75,329	85,385	93,278		CAAV	
	Others (enterprises, logistics and eco	onomic performance)														
	Number of airline companies Number of customs clearance			Count	34	38	44	48	52	49	48	56	56		CAAV	
014	points			place Thousand	N/Col	N/Col										
	Total domestic freight volume by air Total domestic freight movement by			tons Million tons-	56.0	67.1	77.0	84.6	90.0	100.3	123.5	129.2	121.6		CAAV	
010	air			Thousand	0.0	0.0	0.0	0.0	0.0	0.0		0.0			CAAV	
	Total import cargo by air			tons	73.9	80.1	91.1	110.5	120.2	122.8	153.3	163.0	191.8		CAAV	
	Total export cargo by air			tons	86	88	99	116	134	129	186	186	217		CAAV	
	Air transport accident															
	Number of traffic accidents			Cases	N/Col	N/Col										
320	Number of traffic accident casualties (dead)			Person	N/Col	N/CoI										
321	Number of traffic accident casualties (injuries)			Person	N/Col	N/Col										



Та	ble 6.2.11 Air Transport	of Japan (2004 -	2012)								Cour	ntryArea	aJapan	377,835	km2	(ASEAN- Japan
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/ administrati ve reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remar ks
	Miscellaneous															
m1	Population			Million	127.75	127.78	127.85	127.98	128.07	128.05	128.05	127.90	127.61	World Economic Outlook	IMF	
m1a	Population growth rate			%		0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.2%			
m2	GDP per capita			uss	36,444	35,781	34,077	34,038	37,865	39,321	42,917	46,108	46,736	World Economic Outlook	IMF	
m2a	Growth rate of GDP per capita	La Bala.		%		-1.8%	-4.8%	-0.1%	11.2%	3.8%	9.1%	7.4%	1.4%			
m3	Number of commercial aircraft fleet per Million persons		(304) / m1	Unit/ Million persons	4.59	4.66	4.79	4.84	4.86	4.94	4.87	4.67	4.65			
m3a	Growth rate of number of commercial aircraft fleet per million persons			%		1.5%	2.8%	1.2%	0.4%	1.5%	-1.4%	-4.1%	-0.4%			
m4	Domestic air passenger traffic per thousand persons	}	(305) / m1	Passenger/ 1000- persons	734.0	739.0	753.5	746.5	725.3	655.6	658.9	606.7	665.6			
m4a	Growth rate of Domestic air passenger traffic per thousand persons			%		0.68%	1.97%	-0.93%	-2.84%	-9.62%	0.50%	-7.92%	9.72%			
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	138.58	140.16	136.02	138.74	128.25	120.17	113.75	95.06	109.68			
m5a	Growth rate of International air passenger traffic per thousand			%		1.1%	-3.0%	2.0%	-7.6%	-6.3%	-5.3%	-16.4%	15.4%			
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	6.89	6.93	7.04	7.20	8.63	7.39	7.50	7.00	7.10			
m6a	Growth rate of number of commercial aircraft fleet per million persons			%		0.7%	1.5%	2.2%	19.9%	-14.4%	1.5%	-6.6%	1.3%			
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	10.43	10.32	10.24	10.55	10.26	9.10	10.33	8.26	8.93			
m7a	Growth rate of International air cargo loaded+unloaded	──		%		-1.1%	-0.8%	3.0%	-2.8%	-11.3%	13.5%	-20.0%	8.1%			
A.	Air transport infrastructure															
301	Total number of airports			Count	97	97	98	100	100	100	100	100	97	Yearly Aviation handbook "Numeric Perspective 2010	CABMLIT	P109, P110
302	Number of international airports		Airport for Scheduled International Flight	Count	25	25	25	25	25	26	26	29	29	Yearly Aviation handbook "Numeric Perspective 2010	CABMLIT	P109, P110
303	Number of domestic airports		Airport for Scheduled Local (Domestic) Flight	Count	72	72	73	75	75	74	74	71	68	Yearly Aviation handbook "Numeric Perspective 2010	CABMLIT	P109, P110
В.	Air transport equipment (aircr	aft)														
304	Commercial aircraft fleet		registered airplane: turbojet airliner & turboprop airliner	Count	586	595	612	620	623	632	623	597	593	Yearly Aviation handbook "Numeric Perspective 2011	CABMLIT	P77
C.	Air transport measurement; tr	affic and accidents														
305	Domestic air passenger traffic			Thousand person	93,767	94,420	96,336	95,539	92,889	83,948	84,367	77,589	84,939	Website of Survey on Air Transport	TRSO	*1
306	Domestic air cargo traffic	\ \ \ \		Thousand ton	880	886	900	921	1,105	946	961	896	906	Website of Survey on Air Transport	TRSO	*2
307	Domestic aircraft traffic	\		Count	698,562	709,146	737,950	733,842	733,842	716,362	716,374	715,520	769,957	Website of Survey on Air Transport	TRSO	*3
308	International air passenger traffic			Thousand person	17,704	17,909	17,390	17,756	16,424	15,388	14,565	12,158	13,997	Website of Survey on Air Transport	TRSO	*3
309	International passengers in transit			Thousand person	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col			*4
310	International air cargo loaded			Thousand ton	1,333	1,319	1,310	1,350	1,314	1,165	1,323	1,057	1,140	"Transport Economical StatisticsMannual"	CABMLIT	P212
311	International air cargo unloaded	•		Thousand ton	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	"Transport Economical StatisticsMannual"	CABMLIT	P212
312	International aircraft traffic	}		Count	101,659	106,078	104,798	118,503	118,503	110,234	101,721	96,292	105,086	Website of Survey on Air Transport	CABMLIT	*5
D.	Others (enterprises, logistics and eco	onomic performance)														
313	Number of airline companies			Count	66	66	67	64	63	63	59	58	57	Yearly Aviation handbook "Numeric Perspective 2010	CABMLIT	P79
314	Number of customs clearance points			place	194	194	194	194	o/c	194	194	194	194	Web site of Custom house	MF	
315	Total domestic freight volume by air	\sim		Thousand tons	880	886	900	921	1,105	946	961	896	973	Website of Survey on Air Transport	TRSO	*2
316	Total domestic freight movement by air			Million tons- km	871	875	888	918	1,008	959	993	929	940	Website of Survey on Air Transport	TRSO	*2
317	Total import cargo by air			Thousand tons	1,724	1,728	1,701	1,644	1,497	1,183	1,606	1,058	961	"Transport Economical StatisticsMannual"P 212	CABMLIT	*6
318	Total export cargo by air			Thousand tons	1,622	1,609	1,656	1,647	1,550	1,242	1,418	1,054	1,028	"Transport Economical StatisticsMannual"P 212	CABMLIT	*6
E.	Air transport accident															
319	Number of traffic accidents			Cases		23	18	23	17	19	12	14	18	Japan Transport Safety Board Air-accidents		*7
320	Number of traffic accident casualties (dead)			Person		16	4	10	7	9	17	0	0	Japan Transport Safety Board Air-accidents		
321	Number of traffic accident casualties (injuries)			Person		20	10	31	10	45	3	0	0	Japan Transport Safety Board Air-accidents		
*1 *6	air passenger for 2011-2012 data of JAFAhttp://www	*2 *7	air cargo Only the acci	*3 idents happene	flight ope	ration	*4 ude death	Data is no	ot measur	ed ards	*5	flight ope	ration			







Ta	ble 6.2.12 Air Transport	OI ASEAN (2004	- 2012)								Count	ryArea	ASEAN	4,482,756	km2	(ASEAN- Japan Center)
Code	Indicator name	Trend Graph	Actual definition used/ difference from the suggested definition	Unit/scale of measurement	2004	2005	2006	2007	2008	2009	2010	2011	2012	Activity source of data [regulatory/ administrative ve reporting system, census, survey]	Institutiona I source of data [Official agency source]	Notes/ Remark s
	Miscellaneous															
m1	Population			Million	549.9	558.4	566.8	575.0	583.4	590.5	598.9	607.1	615.7		IMF	
m1a	Population growth rate			%		1.55%	1.51%	1.44%	1.46%	1.22%	1.42%	1.37%	1.41%			
m2	GDP per capita			us\$	1,489	1,643	1,940	2,290	2,623	2,570	3,149	3,594	3,745		IMF	
m2a	Growth rate of GDP per capita	ulli, İr.		\$/Million		10.37%	18.07%	18.00%	14.58%	-2.05%	22.56%	14.12%	4.21%			
m3	Number of commercial aircraft fleet per Million persons	<i></i>	(304) / m1	Unit/ Million persons	0.95	2.05	2.10	2.35	2.53	2.65	2.88	3.04	3.24			•
тЗа	Growth rate of number of commercial aircraft fleet per million persons	I		%		114.81%	2.48%	11.93%	7.76%	4.75%	8.61%	5.74%	6.40%			
m4	Domestic air passenger traffic per thousand persons		(305) / m1	Passenger/ 1000- persons	160	171	187	209	207	234	247	290	322			*
m4a	Growth rate of Domestic air passenger traffic per thousand persons	111,111		%		6.90%	8.95%	11.91%	-0.95%	12.92%	5.48%	17.42%	11.27%			
m5	International air passenger traffic per thousand persons		(308) / m1	Passenger/ 1000- persons	168	177	191	209	208	206	233	257	285			*
m5a	Growth rate of International air passenger traffic per thousand	.11[11		%		5.41%	7.95%	9.42%	-0.81%	-0.72%	13.25%	10.19%	10.67%			
m6	Domestic air cargo traffic /Population		(306) / m1	ton / 1000persons	1.53	1.71	1.57	1.77	1.68	1.77	1.87	2.01	2.17			*
m6a	Growth rate of number of commercial aircraft fleet per million persons	I _B I _B and t		%		12%	-8%	13%	-5%	5%	5%	7%	8%			
m7	International air cargo loaded+unloaded per thosand persons		(310+311) / m1	ton / 1000persons	7.69	7.82	8.18	8.09	7.81	6.82	7.97	7.89	6.43			*
m7a	Growth rate of International air cargo loaded+unloaded			%		1.74%	4.61%	-1.13%	-3.42%	-12.64%	16.77%	-0.94%	-18.57%			
A.	Air transport infrastructure															
301	Total number of airports			Count	426	427	430	430	435	405	450	458	470			
302	Number of international airports			Count	58	58	59	60	62	66	68	68	72			
303	Number of domestic airports			Count	367	368	371	370	371	339	382	390	398			
В.	Air transport equipment (aircr	aft)														
304	Commercial aircraft fleet			Count	524	1,143	1,189	1,350	1,476	1,565	1,724	1,848	1,994			
	Commercial aircraft fleet Air transport measurement; tr	affic and accidents			524	1,143	1,189	1,350	1,476	1,565	1,724	1,848	1,994			
C.		affic and accidents		Count Thousand person	524 88,179	1,143 95,725	1,189	1,350	1,476				1,994			
C.	Air transport measurement; tra	affic and accidents		Thousand												
C. 305 306	Air transport measurement; tra	affic and accidents		Thousand person Thousand ton Count	88,179	95,725	105,867	120,180	120,775	138,042	147,680	175,790	198,358			
C. 305 306 307	Air transport measurement; tr Domestic air passenger traffic Domestic air cargo traffic	affic and accidents		Thousand person Thousand ton	88,179	95,725 955	105,867 887 879,616	120,180	120,775 982 1,170,480	138,042 1,048 984,571	147,680 1,120 1,213,962	175,790 1,220 1,342,357	198,358			
C. 305 306 307 308	Air transport measurement; transport measurement; transport measurement; transport traffic Domestic air cargo traffic Domestic aircraft traffic	affic and accidents		Thousand person Thousand ton Count Thousand	88,179 842 826,594	95,725 955 884,843	105,867 887 879,616	120,180 1,020 1,264,601	120,775 982 1,170,480	138,042 1,048 984,571	147,680 1,120 1,213,962	175,790 1,220 1,342,357	198,358 1,335 2,021,254			
C. 305 306 307 308	Air transport measurement; tr Domestic air passenger traffic Domestic air cargo traffic Domestic aircraft traffic International air passenger traffic	affic and accidents		Thousand ton Count Thousand person Thousand	88,179 842 826,594 92,440	95,725 955 884,843 98,947	105,867 887 879,616 108,426	120,180 1,020 1,264,601 120,340	120,775 982 1,170,480 121,106	138,042 1,048 984,571 121,695	147,680 1,120 1,213,962 139,785	175,790 1,220 1,342,357 156,138	198,358 1,335 2,021,254 175,235			
C. 305 306 307 308 309	Air transport measurement; transport measurem	affic and accidents		Thousand person Thousand ton Count Thousand person Thousand person	88,179 842 826,594 92,440 4,876	95,725 955 884,843 98,947 4,782	105,867 887 879,616 108,426 4,640	120,180 1,020 1,264,601 120,340 4,217	120,775 982 1,170,480 121,106 3,953	138,042 1,048 984,571 121,695 3,515	147,680 1,120 1,213,962 139,785 3,636	175,790 1,220 1,342,357 156,138 3,988	198,358 1,335 2,021,254 175,235 3,196			
C. 305 306 307 308 309	Air transport measurement; tr. Domestic air passenger traffic Domestic air cargo traffic Domestic aircraft traffic International air passenger traffic International passengers in transit International air cargo loaded	affic and accidents		Thousand ton Count Thousand person Thousand person Thousand person Thousand ton	88,179 842 826,594 92,440 4,876 2,279	95,725 955 884,843 98,947 4,782 2,358	105,867 887 879,616 108,426 4,640 2,497	120,180 1,020 1,264,601 120,340 4,217 2,456	120,775 982 1,170,480 121,106 3,953 2,370 2,186	138,042 1,048 984,571 121,695 3,515 2,083	147,680 1,120 1,213,962 139,785 3,636 2,481	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368	198,358 1,335 2,021,254 175,235 3,196 2,424			
C. 305 306 307 308 309 310 311 312	Air transport measurement; transport measurem			Thousand ton Count Thousand person Thousand person Thousand person Thousand ton Thousand ton	88,179 842 826,594 92,440 4,876 2,279	95,725 955 884,843 98,947 4,782 2,358 2,008	105,867 887 879,616 108,426 4,640 2,497 2,139	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194	120,775 982 1,170,480 121,106 3,953 2,370 2,186	138,042 1,048 984,571 121,695 3,515 2,083	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533			
C. 305 306 307 308 309 310 311 312 D.	Air transport measurement; transport measurement; transport measurement; transport car passenger traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded			Thousand ton Count Thousand person Thousand person Thousand person Thousand ton Thousand ton	88,179 842 826,594 92,440 4,876 2,279	95,725 955 884,843 98,947 4,782 2,358 2,008	105,867 887 879,616 108,426 4,640 2,497 2,139	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194	120,775 982 1,170,480 121,106 3,953 2,370 2,186	138,042 1,048 984,571 121,695 3,515 2,083	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533			
C. 305 306 307 308 309 310 311 312 D.	Air transport measurement; transport measurem			Thousand person Count Thousand person Thousand person Thousand ton Thousand ton Count Count Count	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224			
C. 305 306 307 308 309 310 311 312 D. 313	Air transport measurement; transport measurem			Thousand person Thousand ton Count Thousand person Thousand ton Thousand ton Count Count Count Thousand ton Thousand ton Thousand ton	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224			
C. 305 306 307 308 309 310 311 312 D. 313	Air transport measurement; tr. Domestic air passenger traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded			Thousand person Count Thousand person Thousand person Thousand ton Thousand ton Count Count Count Million tons-km	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316			
C. 305 306 307 308 309 310 311 312 D. 313 314 315	Air transport measurement; tr. Domestic air passenger traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded International air cargo loaded International air cargo unloaded International air ca			Thousand person Count Thousand person Thousand person Thousand ton Thousand ton Count Count Count Count Million tons- km Thousand tons	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947 252 79	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034 256 79	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266 75	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351 268 77	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525 290 77	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184 312 77 1,105	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316 74			
C. 305 306 307 308 309 310 311 312 D. 313 314 315	Air transport measurement; tr. Domestic air passenger traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded International air cargo unloaded International aircraft traffic Others (enterprises, logistics and economics) Number of airline companies Number of customs clearance points Total domestic freight volume by air Total domestic freight movement by air			Thousand person Thousand ton Count Thousand person Thousand ton Thousand ton Count Count Thousand ton Thousand ton Thousand ton Million tons- Thousand	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376 228 79 697	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078 242 79 799	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947 252 79 786 3,514	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034 256 79 796 2,928	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266 75 841 416	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351 268 77 848 2,624	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525 290 77 1,020 1,028	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184 312 77 1,105	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316 74 1,203 641			
C. 305 306 307 308 309 310 311 312 D. 313 314 315 316 317	Air transport measurement; transport measurement; transport measurement; transport care passenger traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded Internati			Thousand person Thousand ton Count Thousand person Thousand ton Thousand ton Thousand ton Count Count Count Million tonskm Thousand tons Thousand tons Thousand	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376 228 79 697 289	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078 242 79 799 1,420 2,044	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947 252 79 786 3,514	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034 256 79 796 2,928 1,463	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266 75 841 416 1,700	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351 268 77 848 2,624 1,547	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525 290 77 1,020 1,028	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184 312 77 1,105 557 1,834	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316 74 1,203 641			
C. 305 306 307 308 309 310 311 312 D. 313 314 315 316 317	Air transport measurement; transport measurement; transport measurement; transport carry traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded International air			Thousand person Thousand ton Count Thousand person Thousand ton Thousand ton Thousand ton Count Count Count Million tonskm Thousand tons Thousand tons Thousand	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376 228 79 697 289	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078 242 79 799 1,420 2,044	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947 252 79 786 3,514	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034 256 79 796 2,928 1,463	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266 75 841 416 1,700	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351 268 77 848 2,624 1,547	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525 290 77 1,020 1,028	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184 312 77 1,105 557 1,834	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316 74 1,203 641			
C. 305 306 307 308 309 310 311 312 D. 313 314 315 316 317	Air transport measurement; transport measurement; transport measurement; transport cair cargo traffic Domestic air cargo traffic Domestic air cargo traffic International air passenger traffic International passengers in transit International air cargo loaded International air cargo unloaded International			Thousand person Thousand ton Count Thousand person Thousand ton Thousand ton Count Count Count Count Count Million tons- km Thousand tons Thousand tons	88,179 842 826,594 92,440 4,876 2,279 1,947 550,376 228 79 697 289 1,578 1,566	95,725 955 884,843 98,947 4,782 2,358 2,008 587,078 242 79 799 1,420 2,044 1,661	105,867 887 879,616 108,426 4,640 2,497 2,139 620,947 252 79 786 3,514 1,954 2,210	120,180 1,020 1,264,601 120,340 4,217 2,456 2,194 668,034 256 79 796 2,928 1,463 1,690	120,775 982 1,170,480 121,106 3,953 2,370 2,186 684,445 266 75 841 416 1,700 1,716	138,042 1,048 984,571 121,695 3,515 2,083 1,947 690,351 268 77 848 2,624 1,547	147,680 1,120 1,213,962 139,785 3,636 2,481 2,291 755,525 290 77 1,020 1,028 1,734 1,769	175,790 1,220 1,342,357 156,138 3,988 2,423 2,368 854,184 312 77 1,105 557 1,834 1,781	198,358 1,335 2,021,254 175,235 3,196 2,424 1,533 960,224 316 74 1,203 641 1,915			

casualties (injuries)

*:=Σ (country's figure(nt)) /Σ (country's population(t)) , n ... an indicator. t ...a year. In case of a data-missing for the numerator, ASEAN total is used for the denominator.

6.3 Comparison of Air Transport Statistics among AMSs and Japan

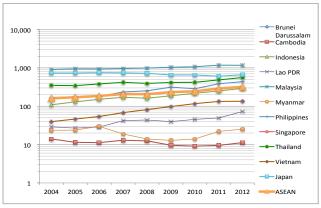
In this section, comparison graphs and tables of Air transport statistics indicators (code 301 – 320 and m3 – m7) among AMSs and Japan are prepared. Indicators which do not have enough data for comparisonare excluded.

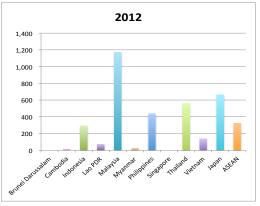
Left side graphs show trend of indicators of each countries and ASEAN total. Right side graphs show comparison among AMSs, ASEAN total and Japan in 2011.

Most of graphs use logarithmic scales in the vertical axis because there is big difference among countries.

m4

Graph 6.3.m4 Domestic air passenger traffic per thousand persons (Passenger/1000 persons) in AMSs & Japan



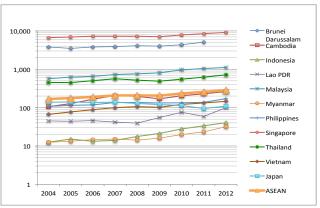


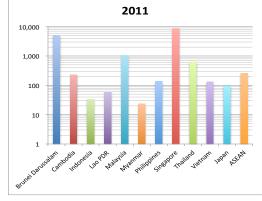
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

T	able 6.3.m4 Dome								in AMSs &	Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalar	n	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Cambodia	~~~	14.1	11.4	11.2	13.1	12.5	9.7	9.1	9.5	11.3
Indonesia		109	130	151	172	162	187	218	250	292
Lao PDR		29	27	29	42	44	40	46	49	73
Malaysia		909	951	941	961	993	1,041	1,077	1,182	1,169
Myanmar		24	24	30	19	14	13	14	22	25
Philippines		170	173	181	236	252	317	287	387	436
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		352	345	384	422	393	416	422	487	564
Vietnam		39.7	46.6	54.1	68.0	81.5	98.4	117.3	133.4	134.5
Japan		734	739	754	746	725	656	659	607	666
ASEAN		160	171	186	209	207	234	247	290	322

Graph 6.3.m5 International air passenger traffic per thousand persons (Passenger/1000 persons) in AMSs & Japan

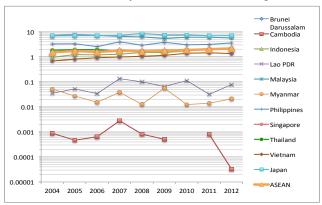


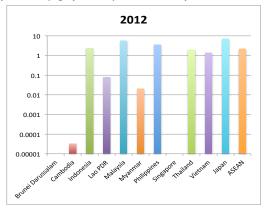


Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		3,815	3,513	3,841	3,914	4,147	4,021	4,390	5,132	
Cambodia		106.4	127.9	165.2	208.0	197.7	170.5	204.1	230.5	262.0
Indonesia		12.6	15.2	13.2	14.0	17.8	21.2	27.8	33.8	40.7
Lao PDR		45.0	44.3	45.9	42.3	39.5	55.2	76.1	59.2	100.7
Malaysia		570	626	659	726	760	815	964	1,052	1,112
Myanmar		12.5	13.2	14.8	15.2	14.2	16.1	19.8	23.3	32.0
Philippines		108.3	114.4	118.0	136.8	135.8	133.0	133.7	137.7	171.4
Singapore		6,706	6,980	7,271	7,279	7,275	7,108	7,894	8,552	9,234
Thailand		453	450	508	570	518	494	550	624	719
Vietnam		66.6	77.3	88.2	100.5	106.1	102.1	121.5	132.3	146.1
Japan		139	140	136	139	128	120	114	95	110
ASEAN		168	177	191	209	208	206	233	257	285

Graph 6.3.m6 Domestic air cargo traffic /Population (Kg / persons) in AMSs & Japan



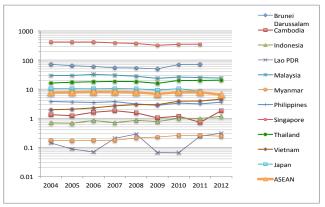


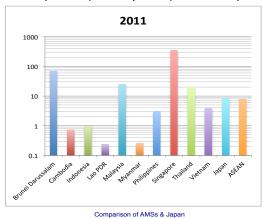
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 6.	.3.m6 Dom	nestic air d	cargo traff	ic /Popula	tion (Kg /	persons)	in AMSs 8	k Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Cambodia		0.00089	0.00047	0.00064	0.00279	0.00082	0.00051	0.00000	0.00079	0.00003
Indonesia		0.96	1.24	1.20	1.27	1.50	1.47	1.75	2.01	2.34
Lao PDR	~~~	0.035	0.052	0.034	0.135	0.100	0.065	0.113	0.032	0.078
Malaysia	~~~~	7.22	7.78	7.23	6.58	6.32	5.38	6.09	6.15	5.70
Myanmar	~~~~	0.052	0.027	0.015	0.038	0.013	0.057	0.012	0.014	0.021
Philippines		3.26	3.33	2.57	3.99	2.93	3.79	3.07	3.13	3.57
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		1.84	1.93	1.94	1.75	1.67	1.63	1.90	2.04	2.02
Vietnam		0.68	0.81	0.91	0.99	1.04	1.15	1.40	1.45	1.35
Japan		6.89	6.93	7.04	7.20	8.63	7.39	7.50	6.99	7.10
ASEAN		1.53	1.71	1.57	1.77	1.68	1.77	1.87	2.01	2.17

Graph 6.3.m7 International air cargo loaded+unloaded per thosand persons (ton/1000 persons) in AMSs & Japan





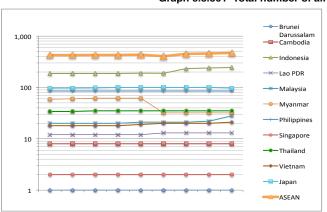
Trend Comparison of AMSs & Japan (2004- 2012)

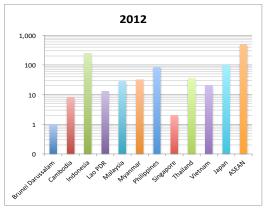
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Tab	ole 6.3.m7 Intern	ational air c	argo loade	ed+unloade	ed per thos	and persor	ns (ton/100	00 persons) in AMSs (& Japan
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	~~~~	71.02	64.07	60.27	54.05	53.33	50.00	69.77	71.25	
Cambodia		1.31	1.22	1.60	1.82	1.51	1.02	1.18	0.72	1.82
Indonesia		0.69	0.67	0.84	0.70	0.85	0.76	1.00	0.97	1.16
Lao PDR		0.14	0.09	0.07	0.20	0.28	0.07	0.06	0.24	0.31
Malaysia		29.45	29.46	32.16	30.13	27.67	23.32	26.06	24.96	24.20
Myanmar		0.17	0.17	0.17	0.18	0.21	0.22	0.26	0.25	0.24
Philippines	~~~	3.74	3.63	3.49	3.69	3.08	2.77	3.31	3.08	3.58
Singapore		417	417	417	392	373	322	350	351	
Thailand		16.29	17.22	17.86	18.46	18.14	15.87	19.88	19.88	20.28
Vietnam		1.95	2.02	2.26	2.66	2.95	2.89	3.85	3.90	4.52
Japan		10.43	10.32	10.24	10.55	10.26	9.10	10.33	8.26	
ASEAN	~~~	7.69	7.82	8.18	8.09	7.81	6.82	7.97	7.89	6.43

301

Graph 6.3.301 Total number of airports (Count) in AMSs & Japan

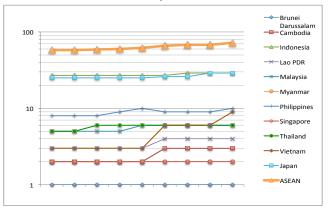


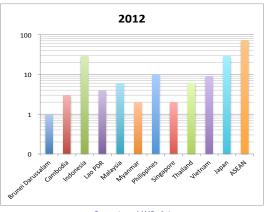


Comparison of AMSs & Japan

		Table 6.	3.301 Tot	al numbei	of airport	s (Count)	in AMSs &	Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	*****	1	1	1	1	1	1	1	1	1
Cambodia		8	8	8	8	8	8	8	8	8
Indonesia		187	187	187	187	190	188	233	240	245
Lao PDR		12	12	12	12	12	13	13	13	13
Malaysia		20	20	20	20	21	21	21	22	28
Myanmar		59	60	62	62	62	32	32	32	32
Philippines	*********	85	85	85	85	85	85	85	85	85
Singapore	• • • • • • • • • • • • • • • • • • • •	2	2	2	2	2	2	2	2	2
Thailand	-/	34	34	35	35	35	35	35	35	35
Vietnam		18	18	18	18	19	20	20	20	21
Japan		97	97	98	100	100	100	100	100	97
ASEAN		426	427	430	430	435	405	450	458	470

Graph 6.3.302 Number of international airports (Count) in AMSs & Japan

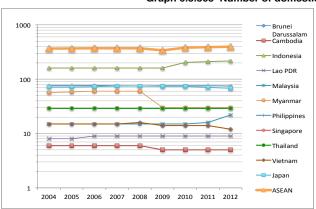


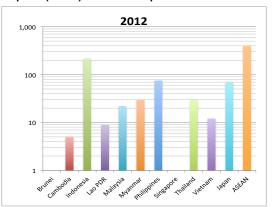


Trend Comparison of AMSs & Japan (2004- 2012)

Country	Trend Graph	able 6.3.302 2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	• • • • • • • • • • • • • • • • • • • •	1	1	1	1	1	1	1	1	1
Cambodia		2	2	2	2	2	3	3	3	3
Indonesia		27	27	27	27	27	27	29	29	29
Lao PDR		3	3	3	3	3	4	4	4	4
Malaysia		5	5	5	5	6	6	6	6	6
Myanmar		2	2	2	2	2	2	2	2	2
Philippines		8	8	8	9	10	9	9	9	10
Singapore	*****	2	2	2	2	2	2	2	2	2
Thailand	_/	5	5	6	6	6	6	6	6	6
Vietnam		3	3	3	3	3	6	6	6	9
Japan		25	25	25	25	25	26	26	29	29
ASEAN		58	58	59	60	62	66	68	68	72

Graph 6.3.303 Number of domestic airports (Count) in AMSs & Japan



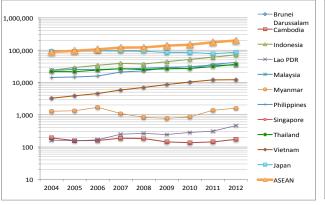


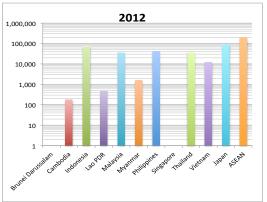
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

		Table 6.3.3	03 Numb	er of dom	estic airpo	orts (Coun	t) in AMSs	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		0	0	0	0	0	0	0	0	0
Cambodia		6	6	6	6	6	5	5	5	5
Indonesia		160	160	160	160	161	161	204	211	216
Lao PDR		8	8	9	9	9	9	9	9	9
Malaysia		15	15	15	15	15	15	15	16	22
Myanmar		57	58	60	60	60	30	30	30	30
Philippines		77	77	77	76	75	76	76	76	75
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand	***********	29	29	29	29	29	29	29	29	29
Vietnam		15	15	15	15	16	14	14	14	12
Japan		72	72	73	75	75	74	74	71	68
ASEAN		367	368	371	370	371	339	382	390	398

Graph 6.3.305 Domestic air passenger traffic (Thousand person) in AMSs & Japan





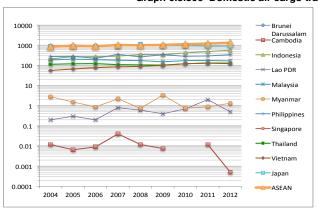
Trend Comparison of AMSs & Japan (2004- 2012)

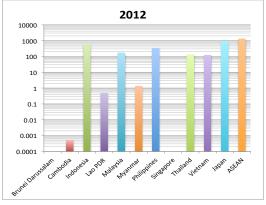
Comparison of AMSs & Japan

	Table 6	6.3.305 Do	mestic air	passenge	er traffic (1	Thousand	person) in	AMSs &	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Cambodia	~~~	191	158	159	187	182	143	136	144	172
Indonesia		23,764	28,814	34,016	39,162	37,405	43,808	51,775	60,197	71,421
Lao PDR		164	155	167	250	263	243	283	311	463
Malaysia		23,544	25,168	25,238	26,137	27,354	29,235	30,791	34,239	34,431
Myanmar		1,285	1,323	1,697	1,089	826	773	862	1,381	1,602
Philippines		14,181	14,713	15,729	20,947	22,814	28,836	26,550	36,416	41,785
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		21,794	21,522	24,111	26,614	24,906	26,419	26,934	31,183	36,324
Vietnam		3,257	3,873	4,550	5,794	7,025	8,586	10,349	11,918	12,159
Japan		93,767	94,420	96,336	95,539	92,889	83,948	84,367	77,589	84,939
ASEAN		88,179	95,725	105,667	120,180	120,775	138,042	147,680	175,790	198,358

306

Graph 6.3.306 Domestic air cargo traffic (Thousand ton) in AMSs & Japan



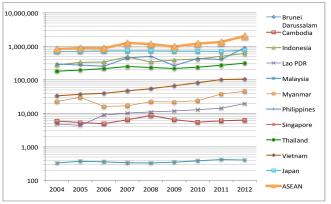


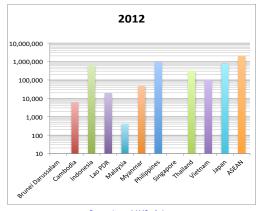
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Та	ble 6.3.306	Domesti	ic air carg	o traffic(Thousand	ton) in AM	Ss & Japa	n	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Cambodia		0.0120	0.0065	0.0091	0.0400	0.0120	0.0075	0.0000	0.0120	0.0005
Indonesia		209	275	270	288	346	344	416	484	572
Lao PDR		0.20	0.30	0.20	0.80	0.60	0.40	0.70	2.00	0.50
Malaysia		187	206	194	179	174	151	174	178	168
Myanmar	~~~	2.80	1.52	0.86	2.21	0.74	3.39	0.76	0.88	1.33
Philippines		272.5	283.9	223.2	354.3	265.0	344.6	284.1	295.2	342.0
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		114	120	122	110	106	104	121	131	130
Vietnam		56	67	77	85	90	100	124	129	122
Japan		880	886	900	921	1,105	946	961	894	906
ASEAN		842	955	887	1,020	982	1,048	1,120	1,220	1,335

Graph 6.3.307 Domestic aircraft traffic (Count) in AMSs & Japan



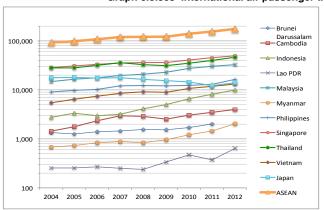


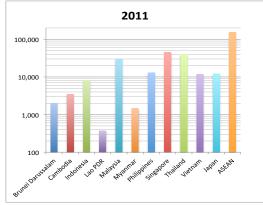
Trend Comparison of AMSs & Japan (2004-2012)

Comparison of AMSs & Japan

		Table 6.	3.307 Dor	mestic air	craft traffi	c (Count) i	in AMSs &	Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi	Confi
Cambodia		5,869	5,300	4,902	6,410	8,695	6,491	5,461	6,003	6,258
Indonesia		281,824	334,087	339,327	484,122	341,119	390,554	417,717	504,519	614,712
Lao PDR		4,827	4,367	8,896	10,160	11,032	11,830	12,856	14,257	19,627
Malaysia		331	369	357	333	332	351	383	417	405
Myanmar		22,546	29,933	16,119	16,824	22,263	21,834	23,880	38,073	45,872
Philippines		297,119	277,202	254,420	451,328	498,628	267,610	432,628	404,155	912,816
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		180,769	196,597	216,037	248,860	233,723	219,347	238,689	272,457	316,304
Vietnam		33,309	36,988	39,558	46,564	54,688	66,554	82,348	102,476	105,260
Japan		698,562	709,146	737,950	733,842	733,842	716,362	716,374	715,520	769,957
ASEAN		826,594	884,843	879,616	1,264,601	1,170,480	984,571	1,213,962	1,342,357	2,021,254

Graph 6.3.308 International air passenger traffic (Thousand person) in AMSs & Japan



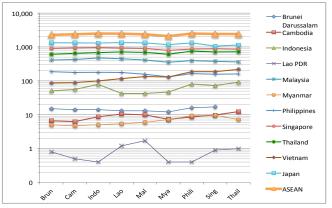


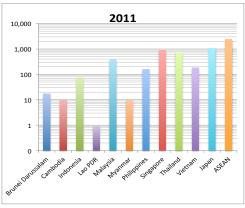
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table 6.3	3.308 Inter	mational a	ıir passen	ger traffic	(Thousar	nd person)) in AMSs 8	& Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1,343	1,261	1,402	1,448	1,555	1,528	1,699	2,017	
Cambodia		1,442	1,769	2,340	2,979	2,879	2,524	3,052	3,481	3,997
Indonesia		2,757	3,364	2,964	3,189	4,102	5,005	6,614	8,152	9,938
Lao PDR		255	255	268	251	238	337	472	372	642
Malaysia	+	14,778	16,583	17,672	19,738	20,918	22,881	27,574	30,462	32,765
Myanmar	+	678	733	835	878	837	968	1,212	1,456	2,035
Philippines		9,049	9,757	10,261	12,132	12,293	12,099	12,381	12,969	16,421
Singapore	+	28,606	30,720	33,368	35,221	36,288	36,089	40,924	45,429	49,910
Thailand		28,070	28,077	31,895	35,946	32,855	31,358	35,132	39,979	46,324
Vietnam	+	5,461	6,428	7,422	8,558	9,141	8,907	10,726	11,821	13,203
Japan		17,704	17,909	17,390	17,756	16,424	15,388	14,565	12,158	13,997
ASEAN		92,440	98,947	108,426	120,340	121,106	121,696	139,785	156,138	175,235

Graph 6.3.310 International air cargo loaded (Thousand ton) in AMSs & Japan



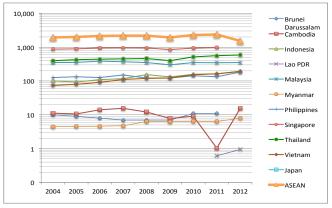


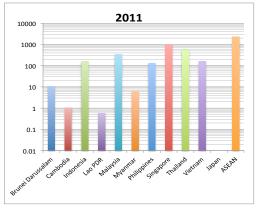
Trend Comparison of AMSs & Japan (2004- 2012)

	Tabl	e 6.3.310	Internation	nal air carg	jo loaded	(Thousand	d ton) in A	MSs & Jap	oan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		15.00	14.00	14.00	13.00	13.00	12.00	16.00	17.00	
Cambodia		6.60	6.26	8.66	10.48	9.87	7.31	8.56	9.80	12.31
Indonesia		50.43	55.31	77.86	42.32	42.46	46.49	79.55	72.16	90.69
Lao PDR		0.80	0.50	0.40	1.20	1.70	0.40	0.40	0.90	1.00
Malaysia		413	424	475	449	413	354	393	375	361
Myanmar		4.93	4.74	5.09	5.38	5.88	7.16	9.31	9.54	7.23
Philippines		186	176	178	177	157	130	164	157	159
Singapore		904.5	941.6	958.3	930.9	905.0	787.1	872.4	882.1	856.3
Thailand		612	647	681	711	688	609	752	714	720
Vietnam		86	88	99	116	134	129	186	186	217
Japan		1,333	1,319	1,310	1,350	1,314	1,165	1,323	1,057	1,140
ASEAN	→	2,279	2,358	2,497	2,456	2,370	2,083	2,481	2,423	2,424

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Graph 6.3.311 International air cargo unloaded (Thousand ton) in AMSs & Japan



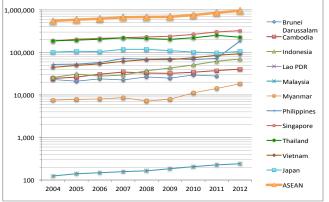


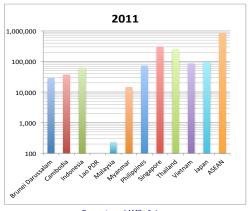
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

	Table	6.3.311 In	ternationa	al air cargo	unloaded	d (Thousai	nd ton) in A	AMSs & Ja	ıpan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	~~~	10.0	9.0	8.0	7.0	7.0	7.0	11.0	11.0	
Cambodia		11.2	10.6	14.0	15.6	12.1	7.8	9.1	1.0	15.5
Indonesia		100	93	110	117	154	132	158	162	194
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	0.6	1.0
Malaysia		350	356	388	370	349	301	352	348	352
Myanmar		4.5	4.6	4.6	4.7	6.4	6.3	6.4	6.3	8.0
Philippines		127	133	126	150	122	122	143	134	184
Singapore		873	894	956	966	954	848	941	983	Confi.
Thailand		398	428	442	453	462	400	518	560	588
Vietnam		74	80	91	110	120	123	153	163	192
Japan		N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont
ASEAN		1,947	2,008	2,139	2,194	2,186	1,947	2,291	2,369	1,533

Graph 6.3.312 International aircraft traffic (Count) in AMSs & Japan

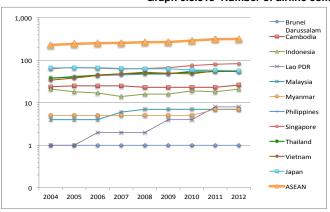


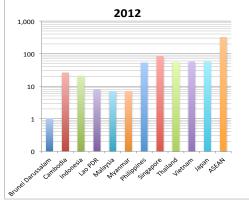


Trend Comparison of AMSs & Japan (2004- 2012)

		Table 6.3	.312 Inter	national a	ircraft traf	fic (Count)	in AMSs	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		23,152	21,071	23,925	22,449	26,626	24,852	29,441	27,822	
Cambodia		24,264	26,406	30,746	34,538	32,732	32,150	34,103	37,370	40,407
Indonesia		25,573	31,059	27,767	29,275	37,163	42,870	50,793	61,755	69,946
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		124	141	148	157	165	185	207	228	241
Myanmar		7,600	7,870	8,026	8,602	7,184	7,889	11,234	14,150	18,438
Philippines		52,168	53,040	57,739	71,633	69,185	71,933	67,321	72,390	185,384
Singapore		184,932	204,138	214,224	220,746	231,926	240,360	265,593	301,711	324,722
Thailand		187,958	193,910	204,440	218,653	211,741	202,745	221,504	253,373	227,808
Vietnam		44,605	49,443	53,932	61,981	67,723	67,367	75,329	85,385	93,278
Japan		101,659	106,078	104,798	118,503	118,503	110,234	101,721	96,292	105,086
ASEAN		550,376	587,078	620,947	668,034	684,445	690,351	755,525	854,184	960,224

Graph 6.3.313 Number of airline companies (Count) in AMSs & Japan



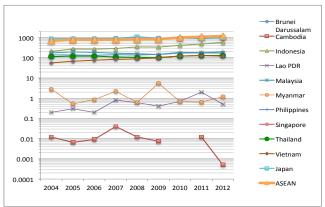


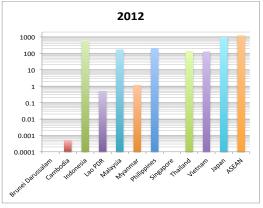
Trend Comparison of AMSs & Japan (2004- 2012)

Comparison of AMSs & Japan

		Table 6.3.3	13 Numb	er of airlii	ne compan	ies (Coun	t) in AMSs	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		1	1	1	1	1	1	1	1	1
Cambodia	<i></i>	24	25	25	25	23	23	23	23	26
Indonesia	~~~~	21	18	17	14	16	16	19	18	21
Lao PDR		1	1	2	2	2	4	4	8	8
Malaysia		4	4	4	6	7	7	7	7	7
Myanmar		5	5	5	5	5	5	5	7	7
Philippines		37	42	44	45	47	47	56	58	53
Singapore		63	68	65	62	64	67	75	80	83
Thailand		38	40	45	48	49	49	52	54	55
Vietnam		34	38	44	48	52	49	48	56	56
Japan		66	66	67	64	63	63	59	58	57
ASEAN		228	242	252	256	266	268	290	312	317

Graph 6.3.315 Total domestic freight volume by air (Thousand tons) in AMSs & Japan



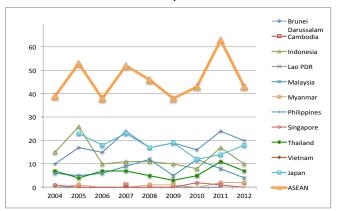


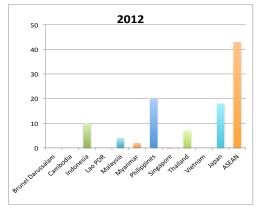
Trend Comparison of AMSs & Japan (2004- 2012)

	Table 6.3	and tons)	nd tons) in AMSs & Japan							
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont	N/Cont
Cambodia		0.0120	0.0065	0.0091	0.0400	0.0120	0.0075		0.0120	0.0005
Indonesia		209	275	270	288	346	344	416	484	572
Lao PDR		0.20	0.30	0.20	0.80	0.60	0.40	0.70	2.00	0.50
Malaysia		175	195	184	168	161	146	173	176	172
Myanmar	~ ~	2.80	0.52	0.86	2.21	0.62	5.58	0.69	0.64	1.18
Philippines		140	139	132	142	137	148	185	183	205
Singapore		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Thailand		114	120	122	110	106	104	121	130	131
Vietnam		56	67	77	85	90	100	124	129	122
Japan		880	886	900	921	1,105	946	961	896	973
ASEAN		697	798	786	796	841	848	1,020	1,105	1,203

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Graph 6.3.319 Number of traffic accidents (Cases) in AMSs & Japan

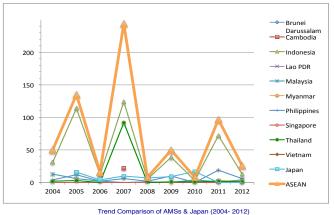




Trend Comparison of AMSs & Japan (2004- 2012)

		Table 6.3.	319 Numl	ber of traff	ic acciden	ts (Cases)	in AMSs	& Japan		
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam		0	0	0	0	0	0	0	0	
Cambodia	*				1					
Indonesia	^ ~	15	26	10	11	11	10	8	17	10
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia		6	5	6	9	12	5	12	8	4
Myanmar	~~~	0	1	0	0	1	1	0	2	2
Philippines		10	17	15	24	17	19	16	24	20
Singapore	\	1	0	0	0	0	0	2	1	0
Thailand	~~~	7	4	7	7	5	3	5	11	7
Vietnam		N/Col	N/CoI	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Japan	~~~		23	18	23	17	19	12	14	18
ASEAN	^	39	53	38	52	46	38	43	63	43

Graph 6.3.320 Number of traffic accident casualties (dead) (Person) in AMSs & Japan



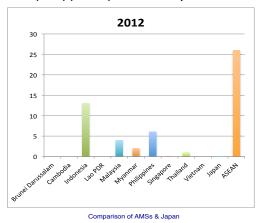


	Table 6.3	3.320 Num	nber of tra	ffic accide	nt casual	ties (dead)	(Person) i	in AMSs &	Japan	
Country	Trend Graph	2004	2005	2006	2007	2008	2009	2010	2011	2012
Brunei Darussalam	·	0	0	0	0	0	0	0	0	
Cambodia	*				22					
Indonesia	^	31	114	12	124	5	39	3	72	13
Lao PDR		N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App	N/App
Malaysia	~~~	13	6	2	0	1	0	4	1	4
Myanmar		0	0	0	0	0	0	0	3	2
Philippines	~~~	4	12	2	6	2	10	0	19	6
Singapore	·	0	0	0	0	0	0	0	0	0
Thailand		2	3	0	92	0	1	1	2	1
Vietnam		N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col	N/Col
Japan	\		16	4	10	7	9	17	0	0
ASEAN	~~~	50	135	16	244	8	50	8	97	26

7. Guideline and Glossaries

7.1 Operational Guideline



ASEAN-Japan Transport Partnership

ASEAN-Japan Transport Information Platform Project



Operational Guidelines of the ASEAN-Japan Transport Statistics Database

- 1. Background
- 2. Objective
- 3. Rationale for a reliable transport statistics database
- 4. Basic principles for sustained database development
 - 4.1 Updating of the Common Data Templates
 - 4.2 Data encoding, validation and updating
 - 4.3 Formulating the network: country focal points and online discussion forum
 - 4.4 Access to the database
 - 4.5 Security of the database/backup for recovery
 - 4.6 Monitoring and evaluation/Promotion of awareness
 - 4.7 Framework for cooperation

This Operational Guidelines including Glossaries were approved in December 2009 at the $7^{\rm th}$ ASEAN-Japan Transport Minister Meeting in Hanoi, Vietnam

1. Background

Over the 40 years since the foundation of ASEAN, its member states and Japan have enjoyed friendly and mutually-beneficial relationship in various development areas. In particular, since January 2002, ASEAN and Japan, being sincere and open partners, have been strengthening cooperation in such fields as the transport sector under the new concept of "Acting together, Advancing together" advocated by then Prime Minister of Japan and with ASEAN's continuing thrust to strengthen its external relations. Sharing common recognition of the importance of the transport sector as a basic infrastructure for and its role in sustaining social and economic activities, AMSs and Japan have established a new framework entitled the "ASEAN-Japan Transport Partnership (AJTP)" in 2003.

Aiming at developing a tool for facilitating policy making process in the transport sector and for furthering economic development in ASEAN region, the "ASEAN-Japan Transport Information Platform Project" (AJOA-2) was adopted as one of the activities under the AJTP during the 2nd ASEAN-Japan Transport Policy Workshop held in August 2004 in Tokyo, Japan and then at the 2nd ASEAN-Japan Transport Ministers Meeting in November 2004, in Phonon Penh, Cambodia.

During the preliminary stage of the project, an AJTP Information Center website was launched in March 2005 featuring Common Data Templates that constitute the transport statistics database. The AJTP Information Center website functions as a tool for both sharing transport information in the process of policy making among AMSs and disseminating information to the public on the outcomes of four Working Group (MTWG, LTWG, ATWG, TFWG) meetings and progress of individual projects under the AJTP.

The 2nd ASEAN-Japan Transport Information Platform Experts Meeting was held in February 2008, in Jakarta, Indonesia. The meeting discussed the Common Data Templates embedded in the AJTP Information Center website, which contain data on basic statistical indicators in the transport sector, as well as some directions that may be considered in the future towards improving the database.

The ASEAN-Japan Transport Information Platform country workshops held in 2008 in Myanmar, Lao PDR and Cambodia discussed ways on how to enrich the contents of the transport statistics database and facilitated technology transfer on the encoding of each data to the ASEAN-Japan transport statistics database through the Common Data Templates.

The 6th ASEAN-Japan Transport Ministers Meeting held in November 2008, in Manila, the Philippines adopted the "Manila Action Plan", which consists of a policy-oriented framework for cooperation with four pillars, namely, (a) Safety and Security, (b) Transport Logistics, (c) Environment, and (d) Common Infrastructure to further advance the regional economic integration taking into account emerging global and regional issues. For improving the quality of safety and security in the transport sector, as well as for realizing seamless, efficient logistics, and promoting a low carbon society, it is important to formulate and implement appropriate transport policies based on timely and reliable statistics.

2. Objective

The Operational Guidelines provide framework for the operation of database by consolidating the useful findings and learning gained from the various initiatives under the ASEAN-Japan Transport Information Platform Project so that AMSs, Japan and the ASEAN Secretariat are better guided to the coordination in transport data systems and to the handling and management of the transport statistics database. The Guidelines also provide less developed member states in transport data systems and databases with the extension of technical support.

3. Rational for a reliable transport statistics database

It has been long recognized that it is important for national, regional and institutional transport policies to be based on sound analysis of statistical data to take appropriate actions and achieve good results. Such analysis could be made possible by a steady supply of data from a comprehensive and constantly updated transport statistics database. The database can also be beneficial to the economic and industrial communities in planning corporate and investment strategies, and to the research institutes in academic and research activities. AMSs and Japan reaffirm the importance of developing the ASEAN-Japan transport statistics database as an invaluable soft infrastructure and recognize the need for further collaboration to enhance the data systems, to expand the data and promote its use by stakeholders. The ASEAN-Japan Transport Information Platform Project shall continue to pursue the improvement of the Common Data Templates toward a more comprehensive and dynamic ASEAN-Japan transport statistics database by developing operational guidelines and providing capacity building support to the institutions producing transport data and its eventual stakeholders in AMSs.

4. Basic Principles for sustained database development

AMSs, Japan and the ASEAN Secretariat are expected to make concerted efforts to implement some of basic principles and requisites in the structural development and efficient maintenance of the ASEAN-Japan transport statistics database.

4.1) Updating of the Common Data Templates

AMSs, Japan and the ASEAN Secretariat have structured the Common Data Templates consisting of basic statistical items and indicators following a classification according to the United Nations Glossary for Transport Statistics, 3rd Edition (2003) and Air Transport Reporting Forms (01/04) of the International Civil Aviation Organization (ICAO). Should, for certain reasons, some changes in the regional transport policy framework, or updates in scope, coverage, and definition, or classification systems occur, the Common Data Templates need to be updated and the ASEAN-Japan Transport Information Platform Experts Meeting shall be convened to discuss adjustments or modifications to the templates.

4.2) Data encoding, validation and updating

Data encoding, validation and updating are the responsibility of AMSs through their country focal point/s. Data encoding, validation and updating are in general carried out onto the Common Data Templates through the AJTP Information Center website until such time when a more comprehensive database could be installed and administered at the ASEAN Secretariat.

4.3) Formulating the network: country focal points and online discussion forum

AMSs and Japan each designate "Country focal points". The country focal points are responsible for maintaining and updating the transport statistics database in the AJTP Information Center website. If there are changes to the designated country focal points, the agency of focal points is expected to inform the ASEAN Secretariat and Japan so that appropriate adjustments could be made such as possible change in database access/management protocols.

AMSs, Japan and the ASEAN Secretariat exchange views on the database through the online discussion forum at any time. The online discussion forum consists of the country focal points.

4.4) Access to the database

Japan operates the AJTP Information Center website at the initial stage. Soon after the current transport statistics database has successfully been completed, the website/system shall be made accessible and the data resources are made available to the public upon consent of AMSs.

4.5) Security of the database/backup for recovery

AMSs, Japan and the ASEAN Secretariat shall individually and jointly take preventive measures against computer hacking and serious bugs in the database system by sharing information on database security. AMSs, Japan and the ASEAN Secretariat also prepare for the backup database for data recovery. In case AMSs encounter problems such as but not limited to, tampered data caused by non-authorized parties, the country focal points are expected to report such incident to the ASEAN Secretariat and Japan for appropriate measures to be taken in order to get the system back to normal operation and prevent possible future recurrence of the problem.

4.6) Monitoring and evaluation/Promotion of awareness

AMSs, Japan and the ASEAN Secretariat shall regularly monitor and evaluate the progress of database building and development through several occasions including a regular/periodic Experts Meeting among country focal points. At the Experts Meeting, results of monitoring and evaluation shall be discussed in terms of accuracy, adequacy, reliability and comparability of data as well as timeline of release of the Common Data Templates to the public. The progress of database building and development is to be reported to the ASEAN-Japan STOM Leaders Conference.

4.7) Framework for cooperation

AMSs, Japan and the ASEAN Secretariat, while continuing to jointly cooperate towards the success of the current project such as through seminars and technical support by experts, shall undertake progressive steps to strengthen a regional cooperation on transport statistics in close coordination with other dialogue partner countries and related entities.

---end--

Glossaries for the ASEAN-Japan Common Transport Statistics Templates

This glossaries serve as a reference on the definition and scope/coverage of the data for transport indicators/statistics that are expected to be provided in the ASEAN-Japan Common Transport Statistics Templates as well as a guide for the provision/encoding of data and metadata (or information about the indicators/statistics) in the suggested common data templates.

These definitions and scope/coverage are based on available concepts commonly adopted/used by national and international data compilers as documented in various literature/materials, including the United Nations Glossary for Transport Statistics, 3rd Edition (2003)¹ and suggested Air Transport Reporting Forms (01/04) of the International Civil Aviation Organization (ICAO). These however should not in any way be considered as the prescribed standards for ASEAN.

For purposes of this document, the ASEAN-Japan Common Transport Statistics Templates shall hereinafter be called "Templates").

A. **Basis/Rationale for the Templates**

- The use of the Templates has been agreed upon by the participants from the AMSs, the ASEAN Secretariat and Japan during the ASEAN-Japan Transport Statistics Information Platform Expert Group Meeting held on 21-22 February 2008 at the Hotel Nikko, Jakarta, Indonesia. The Expert Group Meeting was held under the auspices of the AJOA Project.
- 2. The Templates are designed to cover indicators and statistic that are commonly collected and used by national transport agencies and data compilers and international organizations for planning, policy analysis and monitoring. The Templates are expected to be useful in the assessment of data availability and basic quality issues and building of an initial database on transport statistics in ASEAN. The Templates may be considered as an evolving tool for improving comparability of transport statistics within ASEAN and with Japan and other dialogue partners in the future.
- 3. The Templates are therefore an integral part of the glossary specifically to guide in the provision/encoding of data and metadata for proper documentation and to facilitate periodic data assessment.

1 Document prepared by the Intersecretariat Working Group on Transport Statistics (UN Economic Commission for Europe, Organisation for Economic Co-operation and Development and Eurostat)

B. **General principles and glossaries for accomplishing the templates**

- There are many existing categorizations used and types of statistics produced across countries. As standardization of definitions, scope/coverage, classifications and methodologies requires a long and complex process, the Templates shall only be treated as a first step towards improving comparability of data. While it is strongly encouraged to share data produced based on internationally-recommended and available standard concepts and methodologies, member states may also provide the most reliable data that is currently available as long as it comes from the official source/s or the most relevant/logical institution/s in the country.
- 5. Each of the Templates consists of the following columns/fields:
 - Indicator name refers to the commonly-used name of the indicator;
 - o Common definition pertains to the commonly-used/international definition of the indicator:
 - Actual definition refers to the actual definition/concept adopted/used; should be provided only if it is different from the common definition provided in column
 - Unit/Scale of measurement suggested pertains to the suggested/expected unit and scale of measurement, e.g., thousand kilometer, count (absolute number), etc.;
 - Data fields contain the data values for the indicator for the years indicated;
 - Activity source pertain to the type of activity or system for collecting the data, e.g., regulatory or administrative reporting system (wherein data is a by-product), survey, census or study/research;
 - Institutional source refers to the name of the institution that is officially mandated/designated or recognized to collect and disseminate the data for the indicator; and
 - Notes/Remarks for any important information, such as status of data (preliminary or final), certain assumptions, or issues regarding the indicator/data, or if available data is expressed in other unit/s of measurement.
- 6. In filling the Templates, it is important not to leave any cell blank and to use clear and appropriate symbols/notations as follows:
 - o 0 if the value is zero
 - if data is not available at the time of data reporting
 - o n/a if indicator is not applicable, e.g., indicator is not used in the country or data is not being collected, etc..

C. Suggested classification and definition of transport statistics

7. The following transport statistics and their definitions are organized according to the UNECE Glossary for Transport Statistics, 3rd Edition to provide a common general reference in the collection and reporting of data.

Indicators of accidents in each transport sub-sectors are added to the original templates, according to the outcome of discussions in the 7th expert group meeting held in Jakarta on 26th and 27th March 2013. This 7th draft edition glossary has been approved by the 7th expert group meeting and includes the indicators that are defined as per the 4th edition of Illustrated Glossary for Transport Statistics, Eurostat.

8. The general classification structure is as follows:

000 Road transport

- Road transport infrastructure
- Road transport equipment (vehicles)
- Road transport measurement
- Others (enterprises, logistics and economic performance)
- Road transport accidents

100 Railway transport

- Railway transport infrastructure
- Railway transport equipment (vehicles)
- Railway transport measurement
- Others (enterprises, logistics and economic performance)
- Railway accidents

200 Water transport

- o Maritime transport infrastructure
- Maritime transport equipment (vessels/ships)
- o Maritime transport measurement, including traffic
- River transport infrastructure
- River transport equipment (vessels/ships)
- River transport measurement, including traffic
- Others (enterprises, logistics and economic performance)
- Water transport accidents

300 Air transport

- Air transport infrastructure
- Air transport equipment (aircrafts)
- Air transport measurement
- Others (enterprises, logistics and economic performance)
- Air transport accidents
- The following are the suggested definitions of basic terms and indicators sourced from the UN Glossary for Transport Statistics, 3rd Edition, and ICAO Air Transport Reporting Forms (01/04) and other Internet sources, and incorporating some answers/clarifications to gueries made by expert group meeting participants. are not based on any international standards and are assigned by the ASEAN Secretariat solely for purposes of these glossaries.

9.1 **Road transport**

A. Road infrastructure

001 Total road length

> The total kilometer length of the road network or all roads in the country in the given year.

Includes all existing road types or classifications according to the administration responsible for its construction and maintenance (e.g., national, municipal, village, etc.) and according to the make or design standards; includes bridges, tunnels, supporting structures, junctions, crossings and interchanges, toll roads and/or expressways.

Excludes dedicated cycle paths.

002 Length of paved road

The kilometer length of paved road (road that has been covered with a hard surface such as stones, bricks, tiles, concrete, or asphalt) in the country in a given year.

003 Ratio of paved road to total road length

Percentage share of paved road to the total length of the road network in the country in a given year.

004 Total length of expressways

Total kilometer length of expressways as defined below.

An expressway is a divided highway for high-speed traffic with at least partial control of access. The degree of access allowed varies between countries and even between regions within the same country. In some jurisdictions, expressways are divided arterial roads with limits on the frequency of driveways and intersecting cross-streets. In other jurisdictions, access to expressways is limited only to grade-separated interchanges, making them the full equivalent of freeways. (Wikipedia)

B. Road transport equipment (vehicles)

005 Total number of registered road motor vehicles

The number (stock count) of road motor vehicles of all types registered in the country in a given year and licensed to use roads open to public traffic.

Includes road vehicles exempted from annual taxes or license fees; imported second-hand vehicles and other road vehicles according to national practices such as tuktuk, tricycle, bajai, etc..

Excludes military vehicles.

006 Number of registered passenger cars

The number (stock count) of road motor vehicles, other than a motorcycle and the likes, intended for carriage of passengers and designed to seat no more than 9 persons (including the driver) registered in the country in a given year.

Includes taxis and hired passenger cars, provided that they have fewer than ten seats, and pick-ups.

007 Number of taxis or taxicabs

The number (stock count) of passenger cars registered in the country in a given year and used as a taxi or taxicab.

800 Number of registered trucks

The number (stock count) of road motor vehicles designed, exclusively or primarily, to carry goods, regardless of size; includes fixed route and public trucks.

009 Total number of registered buses

The number (stock count) of road motor vehicles registered in the country in a given year primarily intended for carriage of passengers and designed to seat more than 9 persons (including the driver).

010 Number of public buses

The number (stock count) of buses registered in the country in a given year that is used for transport of one or more persons (passengers), excluding the driver, scheduled or non-scheduled, within, between and beyond built-up areas, e.g., cities, provinces or regions, etc..

Includes fixed-route city buses and fixed-route inter-city/provincial/regional buses.

Excludes non-fixed route buses such as tourist buses and small share taxi buses (like "sontew").

Excludes buses used for international road transport, Malaysia-Singapore, Malaysia-Thailand, Lao PDR/Cambodia-Thailand, etc.

011 Total number of registered motorcycles

The number (stock count) of two-wheeled road motor vehicles, with or without sidecar, including motor scooter, or three-wheeled motor vehicle not exceeding 400 kg (900 lb) unladen weight such as tuktuk, bajaj, tricycle, etc. registered in the country in a given year.

C. **Road transport measurement**

012 Total number of road passengers

The total number of persons who made a journey by a road vehicle in a given year.

Includes drivers of passenger cars.

Excludes taxi drivers and service staff assigned to buses, motor coaches, trolleybuses, trams and goods road vehicles.

013 Number of taxi passengers (million)

The total estimated number of persons who made a journey by taxi in a given year.

Note: In Japan, every taxi company must report its revenue, payments and business activities, including the number of passenger, to the MLIT and Ministry of Finance for maintaining the business license, hence the government can estimate the total number of taxi passengers.

014 Number of public bus passengers

The total number of persons who made a journey by public bus in the country in a given year.

015 Road passenger-kilometer

The total distance actually travelled by passengers by road over one kilometer.

016 Total operational mileage of public buses

The total distance actually travelled by public buses.

017 Freight

The gross weight of goods carried by road goods vehicles.

Includes the total weight of the goods and all packaging less tare-weight of the container, swap-bodies and pallets containing goods.

018 Freight-kilometer

The total tonnage (ton-km) of goods actually carried by road goods vehicles over one kilometer.

D. Others (enterprises, logistics, and economic performance)

019 Number of trucking companies

The number of enterprises performing services in the transport of goods, whose main activity in the field of road transport, according to value-added, is road goods transport.

020 Number of domestic forwarders

Number of domestic freight forwarder companies

Freight forwarder is an independent individual or company that dispatches shipments by land, air, or sea for exporters for a fee. It is usual for the forwarder to handle all the services connected with exporting a shipment. This may even include the handling of banking and insurance details on behalf of a client.

(Freight International Corp:

http://www.freight-int.com/glossary/freight-forwarder)

A freight forwarder (often just forwarder) is a third party logistics provider. As a third party (or non asset based) provider a forwarder dispatches shipments via asset based carriers and books or otherwise arranges space for those shipments. Carrier types include waterborne vessels, airplanes, trucks or railroads.(Wikipedia)

021 Number of warehouse companies

Number of warehouse companies in the country

022 Number of fixed route bus operators

The number of enterprises/companies providing services in the transport of

passengers along fixed routes within and beyond built-up areas, e.g., cities, provinces, regions, etc.

023 Total number of new driving licenses issued for automobiles

> The number of new licenses issued for driving passenger cars, excluding taxis.

024 Total number of new licenses issued for motorcycles

> The number of new licenses issued for driving motorcycles, with or without sidecar, including motor scooters.

025 Total domestic freight volume by road

> The gross weight (thousand tons) of goods carried by road goods vehicles in the country.

> Includes the total weight of goods and all packaging less tare-weight of the container, swap-bodies and pallets containing goods.

026 Total domestic freight movement by road

> Transported freight multiplied by transported distance (million ton-km) in the country.

027 Total import cargo by road

The total volume (thousand tons) of import cargo transported by truck.

028 Total export cargo by road

The total volume (thousand tons) of export cargo transported by truck.

E. Road transport accidents

029 Number of road transport accident (injury accident)

> The number of accidents (cases) involving at least one road vehicle in motion on a public road or private road to which the public has right of access, resulting in at least one injured or killed person.

A suicide or an attempted suicide is not an accident but an incident caused by a deliberate act to injure oneself fatally. However, if a suicide or an attempted suicide causes injury to another road user, then the incident is regarded as an injury accident.

Included are: collisions between road vehicles; between road vehicles and pedestrians; between road vehicles and animals or fixed obstacles and with one road vehicle alone. Included are collisions between road and rail vehicles. Multi-vehicle collisions are counted as only one accident provided that any successive collisions happen within a very short time period. Injury accidents exclude accidents incurring only material damage. Excluded are terrorist.

030 Number of road transport accident casualties (dead)

The number of persons who killed immediately or dying within 24 hours* as results of road transport accidents, excluding suicides.

A killed person is excluded if the competent authority declares the cause of death to be suicide, i.e. a deliberate act to injure oneself resulting in death.

* The 24 hours, here is the figure/standard used in Japan. In Eurostat, 30 days is used instead.

031

Number of road transport accident casualties (injuries)

The number of persons who as result of road transport accidents were not killed immediately or not dying within 24 hours*, but sustained an injury, normally needing medical treatment, excluding attempted suicides.

Persons with lesser wounds, such as minor cuts and bruises are not normally recorded as injured.

An injured person is excluded if the competent authority declares the cause of the injury to be attempted suicide by that person, i.e. a deliberate act to injure oneself resulting in injury, but not in death.

* The 24 hours, here is the figure/standard having used in Japan. In Eurostat, 30 days has been used instead.

9.2 **Rail transport**

A. Railway transport infrastructure

101 Total railway route length

> The kilometer length of the railway network that is operational in the country in a given year.

Includes sidings that are used in operation.

Excludes lines used solely for tourism purposes, mines, forests or other industrial or agricultural undertakings and which are not open to the public.

102 Double-track railway route length (km)

> The total kilometer length of double-track railway that is in operation in the country in a given year.

103 Electrified track railway route length

> The total kilometer length of operational tracks with overhead trolley wire or with conductor rail to permit electric traction.

104 Urban railway route length

> The kilometer length of urban railway/commuter lines, i.e., Metro and light rail transits, subways, trams, etc..

B. Railway transport equipment

105 Number of railway locomotives ready for operation

The total number of active railway vehicles with a power of 110 KW and

above at the draw hook equipped prime mover and motor or with motor only used for hauling railway vehicles.

106 Number of passenger coaches

> The number of passenger railway vehicles, even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc..

107 Number of freight wagons

The number of railway vehicles normally intended for the transport of goods.

Includes wagons in service and in book.

C. Railway transport measurement

108 Total number of rail passengers

The total number of persons, excluding members of the train crew, who made a journey by rail in the country in a given year.

Excludes passengers making a journey solely by railway-operated ferry or bus services.

109 Rail passenger-kilometer

The total distance covered for the transport of passengers by rail over a distance of one kilometer.

Note: If data is not available, then the distance charged or estimated should be taken into account.

110 Freight

The gross weight of goods carried by rail.

Includes the total weight of the goods and all packaging less tare-weight of the container, swap-body and pallets containing goods as well as road vehicles carried by rail.

111 Freight-kilometer

The total tonnage of goods transported by rail over a distance of one kilometer.

Note: If data is not available, then the distance charged or estimated should be taken into account.

D. Others (enterprises, logistics, and economic performance)

112 Total domestic freight volume by rail

The total volume (thousand tons) of domestic freight transported by rail

113 Total domestic freight movement by rail

Rail transported freight multiplied by transported distance (million tons-km)

114 Total import cargo by rail

Total volume (thousand tons) of import cargo transported by rail

115 Total export cargo by rail

Total annual volume (thousand tons) of export cargo transported by rail

E. Railway accidents

116 Number of railway accidents

The number of unwanted or unintended sudden events or a specific chain of such events, which have harmful consequences.

Railway accidents are accidents in which at least one moving rail vehicle is involved.

They are divided into the following categories:

- Collisions
- Derailments
- Level crossing accidents
- Accidents to persons caused by rolling stock in motion
- Fires in rolling stock
- Others.

By definition suicides are excluded, as they are a deliberate act (Suicide: Act to deliberately injure oneself resulting in death, as recorded and classified by the competent national authority).

For this reason neither the UIC in its rail accident statistics nor the international road accident statistics take them into account. Because of their importance for rail safety and operations, suicide statistics should be collected separately. Terrorist acts are excluded.

117 Number of railway accident casualties (dead)

The number of persons killed immediately or dying within 24 hours* as results of accidents.

It includes passengers, employees and other specified or unspecified persons involved in a rail injury accident.

118 Number of Railway accident casualties (injuries)

The number of persons seriously injured (any person injured who was hospitalized for more than 24 hours as a result of an accident) or person slightly injured (any person injured excluding persons killed or seriously injured).

Persons with lesser wounds, such as minor cuts and bruises are not normally recorded as injured.

9.3 **Water transport**

A. Maritime transport infrastructure

201 Number of domestic ports

The total number of ports used primarily for national sea transport or for merchant ships providing transport service between two ports of the national territory.

Port - a place having facilities for merchant ships to moor and to load or unload cargo or to disembark or embark passengers to or from vessels, usually directly to a pier.

Merchant ship - ship designed for the carriage of goods, transport of passengers or specially fitted out for a specific commercial duty; includes cargo- and passenger-carrying ships and ships of miscellaneous activities, specially fitted out for a specific duty, e.g., fish catching and processing ships, tugs, dredgers, research/survey ships, and ships used in offshore Naval ships and ships used by public production and support. administration and public services as well as barges are excluded.

202 Number of international ports

> The number of ports used primarily for international sea transport or for merchant ships providing transport service between ports of two or more countries.

B. Maritime transport equipment (vessels)

203 Number of domestic passenger fleet

The number of passenger ships registered at a given date in a country.

Passenger ship is a ship mainly provides the service for passenger transportation even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc..

Includes ferryboats.

204 Number of domestic cargo fleet

> The number of merchant (cargo/freight) ships over 100 tons registered at a given date in a country.

Includes vessels under repair.

Merchant ship is a ship that mainly provides services for cargo.

205 Gross tonnage of domestic passenger fleet

Gross tonnage of all of domestics passenger fleets displacement (ton)

206 Gross tonnage of domestic merchant fleet

Gross tonnage of all of domestics merchant fleet displacement (ton)

207 Number of international merchant fleet

> Number of merchant ships (passenger and/or cargo) operating on international shipping routes.

> Note: In case of Japan, only National Flag and vessels of more than 2000 gross tonnage are counted.

208 Number of international container vessel fleet Number of containerships operating on international shipping routes.

209 Gross tonnage of international merchant fleet

Gross tonnage of all of domestics passenger fleets displacement (ton)

210 Gross tonnage of international container vessel fleet

Gross tonnage of all of domestics passenger fleets displacement (ton)

C. Maritime transport measurement and traffic

211 Domestic sea passenger traffic

The number of persons who made a sea journey on a merchant ship between two ports of the national territory during the year.

Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.

212 Domestic sea cargo throughput

> The total number of tons of cargo, including transit, loaded and unloaded by domestic merchant ships in the country's ports during the year.

213 Number of domestic ship calls

> Total number of times domestic merchant ships made a port call when they anchor or berth to load or unload cargo, to embark and disembark passengers or to facilitate excursions by passengers during the year.

214 International sea passenger traffic

> The total number of persons who made a sea journey on a merchant ship bound for or coming from another country during the year.

> Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.

215 International sea cargo throughput

> The total number of tons of cargo loaded and unloaded by international merchant ships in the country's ports in a given year.

Includes trans-shipment (sea-sea transport) and transit cargo.

Note: In statistical records or handbooks this data may be separated into import and export. Throughput is the sum of import and export cargoes.

216 International sea container throughput

> The total number of containers (expressed in TEU) loaded and unloaded in a port in a period of one year.

217 Number of international ship calls Total number of times international merchant ships made a port call when they anchor or berth to load or unload cargo, to embark and disembark passengers or to facilitate excursions by passengers during the year.

D. River transport infrastructure

218 Number of river ports

The total number of ports used primarily for national or international river transport or for merchant ships providing transport service between two ports of the national territory.

219 Total waterway route length (km)

> The total kilometer length of the waterway network for river ship that is operational in the country in a given year.

E. River transport equipment (vessels)

220 Number of passenger river fleet (domestic/international)

The number of passenger ships registered as a river ship at a given date in a country.

Includes passengers carried by ferryboats across river.

River ship is a ship mainly provide the service for passenger transportation in river even if it comprises one or more compartments or spaces specially reserved for luggage, parcels, mails, etc.

221 Number of domestic cargo river fleet (domestic/international)

> The number of cargo/freight ships over 100 tones registered at a given date in a country.

Includes vessels under repair.

F. River transport measurement and traffic

222 River passenger traffic (domestic/international)

The number of persons who made a river journey on a merchant ship between two ports of the national territory or (between national port and the foreign port) during the year.

Excludes service staff assigned to merchant ships, non-fare paying crew members traveling but not assigned, and infants in arms.

223 River cargo throughput (domestic/international)

> The total number of tons of cargo, including transit, loaded and unloaded by domestic (international) merchant ships in the country's river ports during the

G. Others (enterprises, logistics and economic performance)

224	Total domestic freight volume by sea
	Total volume of coastal cargo transported by domestic sea routes.
225	Total domestic freight movement by sea
	Transported coastal cargo multiplied by transported distance (million ton-km).
226	Total import cargo by sea
	Total volume (thousand tons) of inward coastal cargo transported by international sea routes.
227	Total export cargo by sea
	Total volume (thousand tons) of outward coastal cargo transported by international sea routes.
228	Total domestic freight volume by river
	Total volume (thousand tons) of river cargo transported by domestic water routes.
229	Total domestic freight movement by river
	Transported river cargo multiplied by transported distance (million ton-km).
230	Total import cargo by river
	Total volume (thousand tons) of inward river ship cargo transported by international river routes.
231	Total export cargo by river
	Total volume (thousand tons) of outward river ship cargo transported by international river routes.

H. Water transport accidents

232

The number of ships involvement in specific, identifiable, unexpected, unusual and unintended external event caused by, or in connection with, the operation of vessels/ships resulting in casualties or incidents which occur in a particular time and place, without apparent cause but with

The total number of ships involvement in accidents*

marked effect.

By definition suicides are excluded, as they are a deliberate act. Because of their importance, suicide statistics should be collected separately. Terrorist and criminal acts are excluded.

233 The number of deaths and missing* The number of persons killed within 24 hours or was missing as results of accidents excluding suicides.

A killed person is excluded if the competent authority declares the cause of death to be suicide, i.e. a deliberate act to injure oneself resulting in death.

* The definitions refer to accidents of inland waterways and marine accidents. The definitions are adjusted based on the definition of accidents for inland waterway in Eurostat.

9.4 Air transport

A. Air transport infrastructure

301 Total number of airports

The total number of international and domestic airports as defined below.

Airport is defined as the area of land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of aircrafts and is open for commercial air transport operations.

302 Number of international airports

The number of airports designated by the State in the territory of which it is situated as an airport of entry and departure for international air traffic, where the formalities incident to customs, immigration, public health, agricultural quarantine and similar procedures are carried out, whether such facilities are provided on a full time or part time basis.

Includes airports that handle both domestic and international air traffic.

Excludes airports that are used solely for military purposes.

303 Number of domestic airports

The number of airports designated by the State in the territory of which it is situated as an airport of entry and departure solely for domestic air traffic, whether such facilities are provided on a full time or part time basis.

Excludes airports that are designated to handle both domestic and international air traffic, which should be counted as international airports.

Excludes airports that are used solely for military purposes.

B. Air transport equipment (aircraft)

304 Commercial aircraft fleet

Total number of commercial aircrafts used for the transport of passengers and/or cargo.

Excludes small aircraft engaged in regional services, freight, mail and passenger baggage transport operations

C. Air transport measurement

305 Domestic air passenger traffic (persons)

Number of air passengers that are transported between two airports located in the same country in a given year.

306 Domestic air cargo traffic

Total weight (ton) of freight and mail that are transported between two airports located in the same country in a given year.

307 Domestic aircraft traffic

The total number of aircraft movements (number of flights) between two airports located in the same country in a given year.

Note: From records of airports, one pair of landing and take-off count as one aircraft movement.

308 International air passenger traffic

The sum of the number of air passengers that arrived in the country from another country and the number of air passengers that departed the country to travel to another country.

309 International passengers in transit

The total number of air passengers that make a temporary stop or stay (transit) in the country as part of a journey between two or more other countries.

310 International air cargo loaded

Total weight of freight, as defined below, loaded on an aircraft where the next destination is located outside the territory of the country in which the air journey begins in a given year.

Includes weight of any container and packaging by shipper or consigner.

Freight refers to any property carried on an aircraft other than mail, stores and baggage. For statistical purposes, freight includes express freight and parcels and diplomatic bags but not passenger baggage. All freight, whether carried on passenger flights or on all-cargo services, should be included.

311 International air cargo unloaded

Total weight (ton) of freight unloaded from an aircraft that has to pass through a customs facility to enter the country in a given year.

312 International aircraft traffic

The total number of aircraft movements (number of flights) between the designated airport in one country and an airport in another country.

Note: From records of airports, one pair of landing and take-off count as two aircraft movements.

D. Others (enterprises, logistics and economic performance)

313 Number of airline companies

Total number of commercial air transport operators as defined below.

An airline company refers to an entity with a valid operating license for operating commercial air flights. Where airlines have joint-venture or other contractual arrangements requiring two or more of them to assume separate responsibility for the offer and sale of air transport products for a flight or combination of flights, the airline that is actually operating the flight shall be reported.

314 Number of customs clearance points

Total number of locations, offices or centers, including branches and sub-branches, in the country where customs clearance operations are carried out.

315 Total domestic freight volume by air

Total volume of domestic cargo transported by domestic air routes.

316 Total domestic freight movement by air

> Transported air cargo multiplied by transported distance (million ton-km) in the country.

317 Total import cargo by air

Total volume of inward air cargo transported by international air routes.

318 Total export cargo by air

Total volume of outward air cargo transported by international air routes.

E. Air transport accidents

319 Number air traffic accidents

The number of occurrences associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, in which one of the following applies:

a) A person is fatally or seriously injured.

Where this is as a result of being in the aircraft, or direct contact with any part of the aircraft, including parts which have become detached from the aircraft, or direct exposure to jet blast, except when the injuries are from natural causes, self inflicted or inflicted by other persons, or when the injuries are to stowaways hiding outside the areas normally available to the passengers and crew.

b) The aircraft sustains damage or structural failure. Where this adversely affects the structural strength, performance or flight characteristics of the aircraft, and would normally require major repair or replacement of the affected component, except for engine failure or damage. When the damage is limited to the engine, its cowlings or accessories: or for damage limited to propellers, wing tips, antennas, tires, brakes, fairings, small dents or puncture holes in the aircraft skin.

c) The aircraft is missing or is completely inaccessible. An aircraft is considered to be missing when the official search has been terminated and the wreckage has not been located.

320 Number of air traffic accidents casualties (death)

The number of injuries resulting in death within 24 hours* from the accidents is classified as a fatal injury.

* The 24 hours, here is the figure/standard used in Japan. In Eurostat, 30 days is used instead.

321 Number of air traffic (injuries)

The number of injuries other than fatal injuries, which are sustained by persons in an accident and the number of non-fatal injuries which are sustained by persons in accidents and which:

- a) Require hospitalization for more than 48 hours, commencing within seven days from the date the injury was received: or
- b) Results in a fracture of any bone (except simple fractures of fingers. toes, or nose): or
- c) Involve lacerations which cause severe hemorrhage, nerve, muscle or tendon damage: or
- d) Involve injury to any internal organ: or
- e) Involves second or third degree burns, or any burns affecting more than 5 per cent of the body surface: or
- f) Involves verified exposure to infectious substances or injurious radiation.

Moreover, the number of non-fatal injuries, other than serious injuries, which are sustained by persons in accidents.

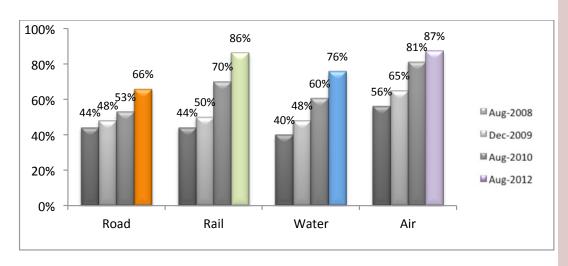
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Appendixes

Appendix 1. Detailed Progress of the Project



Appendix 2. Improvement of data entry rates of past 5 years



Appendix 1. Detailed Progress of the Project

Since 2004, under the "ASEAN-Japan Transport-information Platform Project", series activities such as experts meeting, workshops, seminars and trainings have been completed.

The detailed information of the activities is given as follows.

April 2004 – March 2005

In the 2nd ASEAN-Japan Transport Policy Workshop held in August 2004, Vietnam delegation has proposed development of ASEAN-Japan transport database for sharing transport data and information among ASEAN member states and Japan.

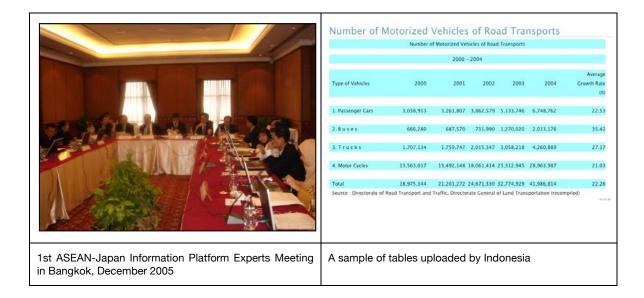
The 2nd ASEAN-Japan Transport Ministers Conference held in November of 2004 in Phnom Penh, Cambodia adopted to launch ASEAN-Japan Transport Information Platform Project.

In March of 2005, ASEAN-Japan Transport Information Platform website was opened to transport officials in ASEAN and Japan. The website provided ASEAN members states and Japan a stage for uploading their statistics data independently. A manual and tutorial movie were prepared.



April 2005 – March 2006

The 1st ASEAN-Japan Information Platform Experts Meeting held in December 2005, Bangkok had conducted trains on uploading statistics to the website for transport officials from ASEAN member states. The meeting also asked the transport officials to complete uploading of their statistics data to the website after the meting.



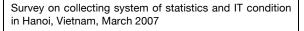
As a result, Indonesia had uploaded transport statistics data in a considerable way; some member states such as Singapore and Malaysia had done to the degree of making links of their transport statistics websites. However, most of member states had not completed the uploading actively.

April 2006 – March 2007

Towards Vietnam and Lao PDR whose data entrance rate was seen to be not high, surveys were done to understand the issues and obstacles on data collection.

Survey on collecting system of statistics and IT condition in Vietnam & Lao PDR, Proposal on smooth entry of statistics data into the ASEAN-Japan Transport-information Platform website Trough the survey, related organizations that are responsible for data collection from land, water and air transportation were visited, problems such as lack of coordination between organizations, lack of human powers and complicatedness of data publishing were pointed out.





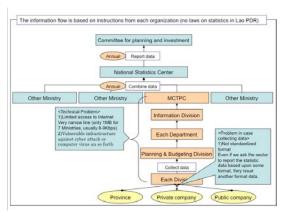


Diagram of collecting system of statistics in Lao PDR and problems to be solved (2007)

April 2007 - March 2008

STOM held in June of 2007 agreed to further development of the information platform and draft of common data templates were developed. In consideration of different levels of data availability between ASEAN member states, the draft common templates included minimum required transport statistics indexes.

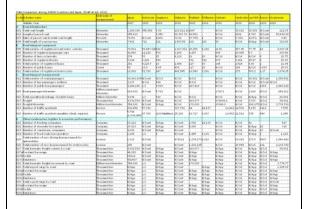
In February of 2008, the 2nd ASEAN-Japan Information Platform Experts Meeting was held in Jakarta. The meeting discussed the draft common data templates and agreed to finalize the data templates through improvement by ASEAN secretariat and Japan.

Especially, with an eye on future application of the transport data, the meeting agreed on the development a glossary for the common templates by ASEAN secretariat and Japan.

In February of 2008, a workshop was held in Lao PDR. The workshop conducted explanation of importance of statistics data and demonstrated data uploading to the website.



2nd ASEAN-Japan Information Platform Experts Meeting in Jakarta, February 2008



Drafted Common data template (Road transport)

April 2008 - March 2009

Based on the output of the second experts meeting, ASEAN secretariat and Japan completed the glossary collaboratively and obtained consensus of ASEAN member states through e-mails. According to the glossary, ASEAN member states and Japan tried to complete the templates. And a guideline for the information platform was prepared for continuously improvement of the information platform.

In the 3rd experts meeting held in March of 2009, Manila, Philippines, Japan presented the guideline and ASEAN member states presented their data and problems existed on data collection.

In addition, workshops were held in Myanmar and Cambodia in November and December of 2008 respectively.



April 2009 - March 2010

The guideline proposed in 3rd experts meeting was adopted by ASEAN-Japan Transport Ministers Meeting held in December of 2009 in Vietnam.

The 4th experts meeting held in March of 2010 in Jakarta explained the guideline to the transport officials and discussed further improvement of the information platform.

The main points discussed in the meeting are as follows.

- (1) Discussion on the transition of AJTP website from Japan to ASEAN secretariat.
- (2) Japan's proposal on the addition of environmental related transport data to the platform.
- (3) Agreement on the linking of the website to websites of member states.
- (4) Open AJTP website to the general public

In addition, transport statistics related seminars were held in Vietnam and Indonesia in January and March of 2010 respectively.



4th ASEAN-Japan Information Platform Experts Meeting in Jakarta, March 2010



Workshop on developing ASEAN-Japan Transport Statistics in Hanoi, Jan.2010







5th ASEAN-Japan Information Platform Experts Meeting in Bangkok, March 2011

April 2010 - March 2011

The 5th experts meeting was held in Bangkok, in the meeting, Japan presented data collection and application practices of Japan. A presentation on the data accuracy of ASEAN member states was given as well.

In the meeting, best practices of ASEAN member states on data collection were also presented and discussions on enhancement of data accuracy and credibility were conducted. The following are the main topics of the meeting.

- (1) Open the AJTP website to the general public by end of the 2011 through discussion by the ASEAN-Japan working group meeting and STOM, adaptation by the ATM.
- (2) Japan's proposal on data and information to be opened and communication method after the open
- (3) Agreement on the ASEAN member states 'authorization of data to be opened by May of 2011. In addition, Seminars on promotion of data collection were held in January of 2011 in Myanmar and Cambodia. Hard and soft part development of the website to be opened was conducted.



Seminar on Development of transport statistics in Vientiane, November 2011



ASEAN-Japan Transport Information Platform was opened to the public on 26th December 2011

April 2011 – March 2012

A seminar on development of transport statistics was held in Vientiane, November 2011

By adaptation of the ATM, the AJTP website was opened to the general public on 26 December 2011.

February of 2012, a seminar on development of transport statistics was held in Hanoi.

In March of 2012, the 6th experts group meeting was held in Jakarta. The main contents of the meeting are as follows.

- (1) Introduction of the AJTP website opened to the general public
- (2) Proposal on the unification of the two sites one is for general public and another is for transport officials. And simplification of uploading processes.
- (3) Agreements were reached on the data update, lectures on enhancement of data management and designation of 2 staffs for each member sate as a focal point by April of 2012.
- (4) Japan explained application of statistics data on transport policy formulation such as combination of macro data and transport data; development of time series data; importance of multi variation analysis for transport plan and estimation.

April 2012 – March 2013

In January 2013, a survey was conducted to understand data collection situation in ASEAN member states and a study toward Japan and Thailand was conducted as well to understand transport statistics data collection process in the two countries. February of 2013, the site visit of the study was conducted in Thailand.

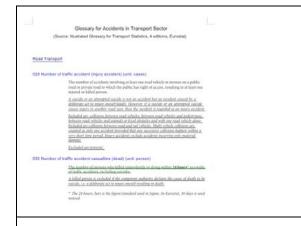
In February of 2013, a seminar on the application of transport statistics data was held in Japan. 12 participants from Brunei Darussalam, Cambodia, Lao PDR, Myanmar, Vietnam and ASEAN secretariat attended the seminar.



Training on utilization of transport statistical data in Japan, February 2013



Study on data collection systems in Thailand, February 2013





Additional Glossaries for transport accident of each transport sector

7th ASEAN-Japan Information Platform Experts Meeting in Jakarta, March 2013

In March of 2013, the 7th experts meeting was held in Jakarta. The following topics were presented, discussed and consented.

- (1) Reports on the past seminars and discussions on the results and issues of the seminars. Indonesia proposed further organization of seminars.
- (2) Reports on the progress of the common templates of AJTP website in the 5 years. It was emphasized that land transport sector particularly data of domestic logistics, bus and taxi still needs further improving.
- (3) Reports on the result of the study that surveyed data collection process in Japan and Thailand.
- (4) Agreements on the linking the banner of AJTP to the official home page of ASEAN secretariat and preparation of hard copy of statistics templates for the STOM.
- (5) Presentations on the update of common templates and traffic accidents data.
- (6) Japan proposed to add traffic accidents data of each transport subsector to the transport statistics common templates and the meeting accepted the proposal.
- (7) Japan proposed future plan of the AJTP website including the transition of management of the website to ASEAN secretariat. And meeting decided that ASEAN secretariat and Japan needed more discussion on the issue and the result of the discussion would be reported to ASEAN member states.
- (8) Experts from Japan gave lectures on the application of statistics data on the development of transport policies based on the analyzing the data.

April 2013 - March 2014

September of 2013, it was decided to prepare ASEAN-Japan Transport Statistics Book for the discussion in the next working group meeting.

In October of 2013, the 8th experts meeting finalized the Statistics Book.

In December of 2013, the finalized ASEAN-Japan Transport Statistics Book distributed to ASEAN member states in the STOM.

Table 8.1 History of activities of ASEAN-Japan Transport-information Platform Project Calendar year

Calender year	Major undertaking
2004	 Proposal of ASEAN-Japan Transport Database was submitted by representative of Viet Nam in The 2nd ASEAN-Japan Transport Policy Workshop 10-11 August, 2004, Tokyo, Japan "ASEAN-Japan Transport Information Platform Project" to launch AJTP information Center was adopted as one of the activities at the 2nd ASEAN-Japan Transport Ministers Meeting in Phnom Penh, Cambodia.
2005	 ASEAN-Japan Transport Information Platform website was opened to transport officials in ASEAN and Japan, March 2005 1st ASEAN-Japan Information Platform Experts Meeting in Bangkok, December 2005 ASEAN-Japan countries agree with entering data into AJTP website The development plan for the AJTP Information Center
2006	 Survey on collecting system of statistics and IT condition in Viet Nam & Lao PDR, Proposal on smooth entry of statistics data into the ASEAN-Japan Transport-information Platform website
2007	●Creation of the ASEAN-Japan common transport data template draft
2008	Workshop on developing the Transport Statistics in Lao PDR, February 2008 2 nd ASEAN-Japan Information Platform Experts Meeting in Jakarta, February 2008 Preparation of Glossaries for ASEAN-Japan common transport data template Creation of the information platform guidelines Workshop on developing the Transport Statistics in Myanmar, November 2008 Workshop on developing the Transport Statistics in Cambodia, December 2008
2009	●3 rd ASEAN-Japan Information Platform Experts Meeting in Manila, March 2009
2010	 Workshop on developing ASEAN-Japan Transport Statistics in Hanoi, January 2010 Workshop on developing ASEAN-Japan Transport Statistics in Jakarta, March 2010 4th ASEAN-Japan Information Platform Experts Meeting in Jakarta, March 2010
2011	 Seminar on Development of transport statistics in Yangon, January 2011 Seminar on Development of transport statistics in Phnom Penh, January 2011 5th ASEAN-Japan Information Platform Experts Meeting in Bangkok, March 2011 Agreed on launching of AJTP Website by the end of 2011 upon endorsement of the 9th ATM+Japan Meeting ASEAN-Japan Transport Information Platform was opened to the public in December 2011. Seminar on Development of transport statistics in Vientiane, November 2011
2012	 Seminar on Development of transport statistics in Hanoi, February 2012 6th ASEAN-Japan Information Platform Experts Meeting in Jakarta, March 2012. Study on data collection systems in Japan and Thailand was conducted.
2013	 Training on utilization of transport statistical data in Japan, February 2013. 7th ASEAN-Japan Information Platform Experts Meeting in Jakarta, March 2013 Indicators related to transport accident were added to the Common Data templates. Link from the website of ASEAN secretariat to AJTP website was created. ASEAN-Japan Transport Statistics book draft was prepared 8th ASEAN-Japan Information Platform Experts Meeting in Bali, October 2013 ASEAN-Japan Transport Statistics book was published in December 2013

Appendix 2. Improvement of data entry rates of past 5 years

In order to understand the progress of completion of data templates, analyses were done in 2008, 2009, 2010 and 2011 respectively for seeing data entry rates of data templates of ASEAN member states and Japan.

For determining data entry rate of the each year, the number of indexes to which corresponding data were given was divided by the number of applicable indexes (Not applicable and confidential indexes were excluded from the parameter) in each data template. The followings are the data entry rates of data templates by transport modes.

	Road Transport	The number of "N/A	App" and "Co	nfi" is subtra	acted from d	enominator.										1
Code	Indicator name	Unit/scale of measurement	Japan	Brunei	Cambodia	Indonesia	LaoPDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	Average data entry rates of 10 AMS	N/App: Confi	Denomin tors (yes -N/app Conf)
A. Road_infrastructure																
001	Total road length	Kilometer	100%	0%	75%	100%	100%	100%	100%	100%	100%	100%	75%	85%	0	
002	Length of paved road	Kilometer	100%	0%	88%	100%	100%	100%	100%	100%	100%	100%	75%	86%	0	
003	Ratio of paved road to total road length	Percent	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	75%	88%	0	
004	Total length of expressways	Kilometer	100%	0%	0%	100%	N/App	100%	38%	100%	100%	100%	88%	70%	1	
B.	Road_transport_equipment															
005	Total number of registered road motor vehicles	Thousand	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	95%	0	
006	Number of registered passenger cars	Thousand	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	95%	0	
007	Number of taxis or taxicabs	Thousand	100%	100%	0%	50%	100%	100%	100%	100%	100%	100%	25%	78%	0	
800	Number of registered trucks	Thousand	88%	100%	100%	50%	100%	0%	100%	100%	100%	100%	100%	85%	0	
009	Total number of registered buses	Thousand	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	95%	0	
010	Number of public buses	Thousand	100%	100%	0%	100%	0%	100%	100%	100%	100%	100%	25%	73%	0	
011	Total number of registered motorcycles	Thousand	75%	100%	100%	50%	100%	100%	100%	100%	100%	100%	0%	85%	0	
C.	Road_transport_measurement															
012	Total number of road passengers	Thousand	100%	0%	0%	0%	100%	0%	100%	0%	25%	100%	100%	43%	0	
013	Number of taxi passengers (million)	Million	62%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	10%	0	-
014	Number of public bus passengers	Thousand	100%	100%	0%	0%	0%	0%	100%	0%	100%	100%	0%	40%	0	-
015	Road passenger-kilometer	Million Pax-km	88%	0%	0%	0%	100%	0%	100%	0%	88%	100%	100%	49%	0	
016	Total operational mileage of public buses	Million kilometer	75%	0%	0%	0%	100%	0%	100%	0%	100%	0%	0%	30%	0	
017	Freight	Thousand ton	88%	0%	0%	0%	100%	0%	100%	0%	N/App	100%	100%	44%	1	-
018	Freight-kilometer	Million ton-kilometer	88%	0%	0%	0%	100%	0%	100%	0%	N/App	100%	100%	44%	1	-
019	Number of traffic accidents	Person	100%	100%	88%	100%	100%	100%	100%	100%	100%		100%	89%	0	
020	Number of traffic accident casualties (dead)	Person	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0	
020	Number of traffic accident casualties (injuries)	Person	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0	
D. Others																
021	Number of trucking companies	Company	88%	100%	0%	0%	100%	100%	100%	100%	N/App	75%	0%	64%	1	\Box
022	Number of domestic forwarders	Company	100%	100%	0%	0%	N/App	0%	100%	0%	N/App	100%	0%	38%	2	-
023		Company	100%	100%	0%	0%	0%	0%	N/App	0%	N/App	100%	0%	25%	2	-
024	Number of fixed route bus operators	Company	100%	100%	0%	100%	100%	0%	100%	88%	100%	75%	0%	66%	0	\vdash
025	Total number of new driving licenses issued for	License	100%	88%	100%	0%	100%	100%	100%	100%	Confi	100%	88%	86%	1	_
026	Total number of new licenses issued for motor		100%	88%	100%	0%	100%	100%	100%	0%	Confi	100%	88%	75%	1	_
027	Total domestic freight volume by road	Thousand tons	75%	0%	0%	0%	100%	0%	100%	0%	N/App	100%	N/App	38%	2	-
028	Total domestic freight movement by road	Million tons-km	100%	0%	0%	0%	100%	0%	100%	0%	N/App	100%	N/App	38%	2	-
029	Total import cargo by road	Thousand ton	N/App	0%	0%	0%	0%	0%	100%	0%	N/App	100%	N/App	25%	2	-
030	Total export cargo by road	Thousand ton	N/App	0%	0%	0%	0%	0%	100%	0%	N/App	100%	N/App	25%	2	-
300	Total Capacit Gargo by Toda	moasana ton	нихрр	J76	376	376	076	076	10076	076	телер	10076	полер	Average data	_	
						****					****	****		Transport of 1		
		age data entry rate r of (N/App + Confi)	94%	54% 0	40%	39%	79% 2	52% 0	95%	54%	96%	89%	61%	65.8%	I	

Table 8-2 Average Data Entry Rates of each ASEAN Member States
(8 (2004–2011) Years Data of Road Transport)
(N/App and Conf. were excluded from the parameter)

162 Appendixes

1. Trends of data entry rates in the past 5 years

1) Data entry rates for different transport mode

The figure 8-1 below shows the data entry rates of transport subsectors as of August of 2012 for 8 years data of 10 ASEAN member states.

It shows that the railway and air transport seem to have high entry rates with 86~87% comparing to the land transport that has 66%.

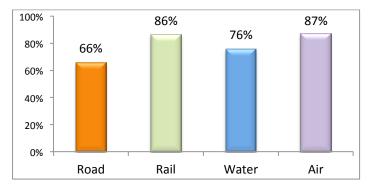


Figure 8-1 Data Entry Rates by Transport Subsectors at August of 2012 (8 (2004–2011) Years Data of 10 ASEAN Member States)

2) Trends of Data Entry Rates by Transport Modes in Recent 5 years

The following figures shows the comparison of the average data entry rates of 8 years data as of August of 2012 with the data entry rates as of August of 2008, December of 2010.

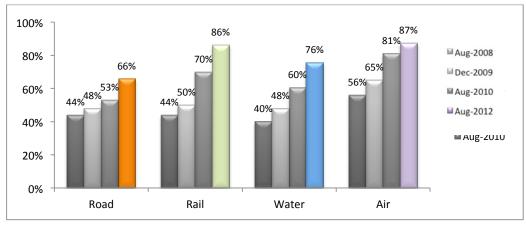


Figure 8-2 Changes of Data Entry Rates of 10 ASEAN Member States in the Past 5 Years

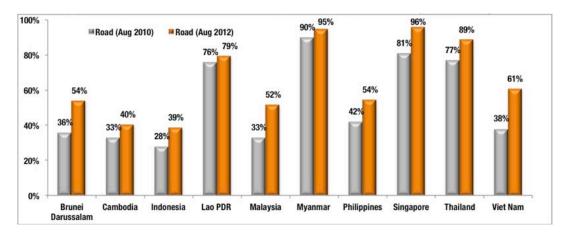
From 2008 to 2011, the data entry rates for all modes are improved significantly that is attributed to the continuous efforts in the past 5 years.

2. Improvement of Data Entry Rates by Countries and Transport Subsectors

Country wise data entry rate by transport subsector are given as follows.

(1) Road transport

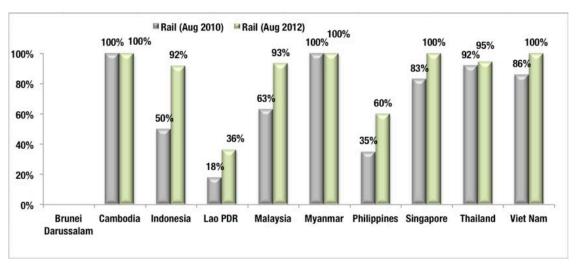
- ➤ Singapore, Thailand, Lao PDR and Myanmar keep high entry rates with 80~98% while Cambodia and Indonesia have comparatively low entry rates.
- ➤ From 2010 to 2012, data entry rates of all ASEAN member states get improvement. Especially, Brunei Darussalam and Malaysia have had very significant improvement with 18~23% points increasing.



Graph 8-3 Country Wise Comparison of Entry Rates Between 2010 and 2012

(2) Railway Transport

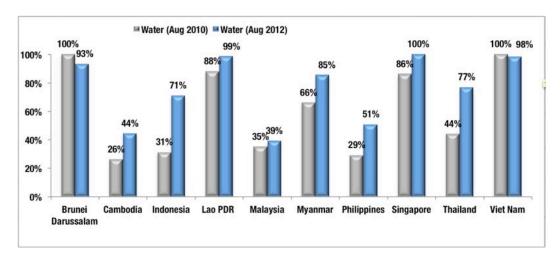
- > Besides Lao PDR and Philippines all ASEAN member states have high entry rates. Note that Brunei Darussalam Darussalam has no railways and is not counted in this comparison.
- ➤ All ASEAN member states get improvement. Especially, Indonesia, Malaysia and Philippines have had very significant improvement with 30~42% points increasing.



Graph 8-4 Country Wise Comparison of Entry Rates Between 2010 and 2012

(3) Water Transport

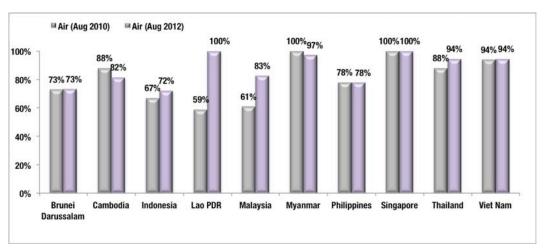
- > Brunei Darussalam, Lao PDR, Myanmar, Singapore and Vietnam shows very high numbers comparing to that of Cambodia, Malaysia and Philippines.
- ➤ Besides, Brunei Darussalam and Vietnam all countries get improvement in the entry rates. Particularly, Indonesia and Thailand get very significant improvement with 33~40% points increasing. The reason of decreasing for Brunei Darussalam and Vietnam was updating the indexes previously noted as N/App with N/Col in this time.



Graph 8-5 Country Wise Comparison of Entry Rates Between 2010 and 2012

(4) Air Transport

- ➤ Lao PDR, Myanmar and Singapore keep very high entry rates with 94~100%. Air transport shows overall high entry rates comparing to other subsectors.
- ➤ Lao PDR and Malaysia get significant improvement as all countries have comparatively high entry rates at 2010. In the case of Cambodia and Myanmar, the entry rates decreased. The reason for that is updating the indexes previously noted as N/App with N/Col in this time.



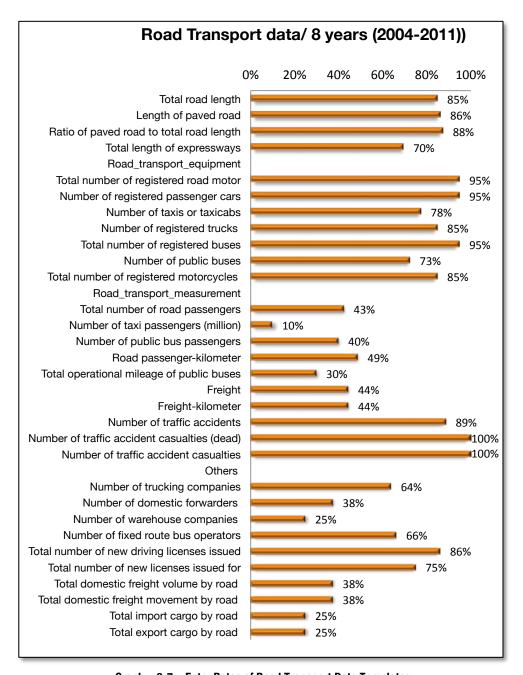
Graph 8-6 Country Wise Comparison of Entry Rates Between 2010 and 2012

3. Data Entry Rates of Each Indicator

Transport subsector wise data entry rates of ASEAN member states for each index are given as follows.

(1) Road transport

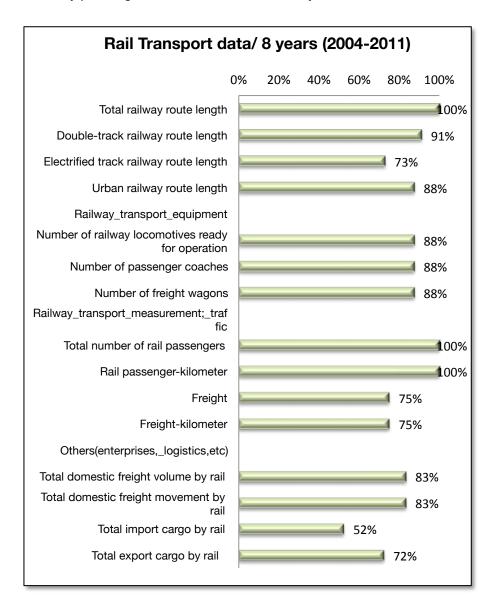
➤ In the road transport statistics, transport infrastructure, transport equipment, licenses and traffic accidents are with high entry rates while number of taxi passengers, bus passenger kilometers are seen at comparatively low rates with the entry rates of 25~30%



Graph 8-7 Entry Rates of Road Transport Data Templates
(Average entry rate of 8 years data (2004~2011) for 10 member states as of August of 2012)

(2) Railway Transport

➤In the railway transport, except railway freight import, all indexes have entry rates more than 52%. Particularly, railway length, number of railway passengers and railway passenger kilometer are at 100% entry rates.



Graph 8-8 Entry Rates of Railway Transport Data Templates
(Average entry rate of 8 years data (2004~2011) for 10 member states as of August of 2012)

(3) Water Transport

➤ Regarding water transport, number of ports, transport equipment and data related to transport activity are at comparatively high entry rates with Graph s of 70~100%. However, data of domestic freights are at comparatively low entry rates with the figures of 33~50%. Particularly, export and import cargos by rivers are at very low entry rates with the figure of 14~17%.

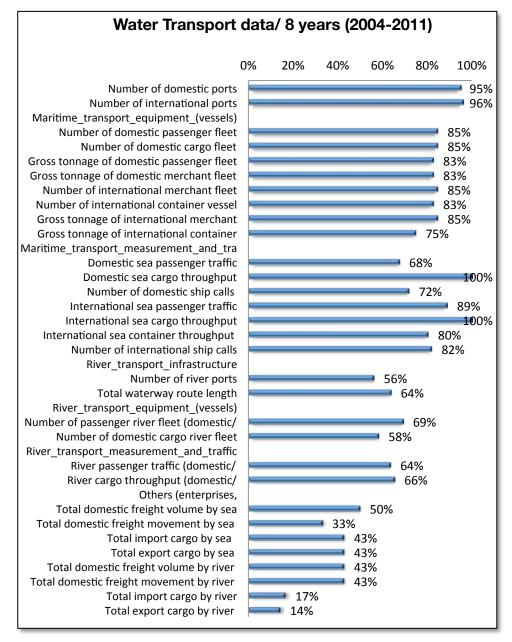


Figure 8-9 Entry Rates of Water Transport Data Templates
(Average entry rate of 8 years data (2004~2011) for 10 member states as of August of 2012)

(4) Air Transport

➤ Among the air transport data, domestic freight movement (ton.km) is at the comparatively low rate with the figure of 39%. Export and import cargos, the number of custom clearance points and international passengers show 64~71% entry rates. The entry rates for the rest of indexes are from 86% to 100%.

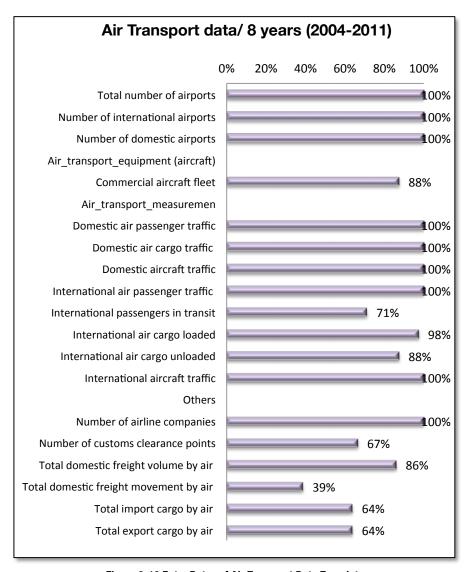


Figure 8-10 Entry Rates of Air Transport Data Templates
(Average entry rate of 8 years data (2004~2011) for 10 member states as of August of 2012)

























