



Traffic Safety in Cambodia



Ministry of Public Works and Transport
General Department of Land Transport
Land Transport Department

CONTENT

1- CAMBODIA SITUATION

2- LAND TRANSPORT MANAGEMENT

3- ROAD SAFETY AND VEHICLES INSPECTION



1.ABOUT CAMBODIA



Cambodia	
Area	181,035km ²
Population	15,288,489 (2019 census)
Men	7,418,577
Women	7,869,912
Capital City: Phnom Penh	
Area	678.47km ²
Population	2,129,371 people (2019)
Density	3,138 people/km ²
<div><div><input type="checkbox"/></div>LOCATED IN THE SOUTHEAST ASIA</div> <div><div><input type="checkbox"/></div>ONE OF ASEAN</div> <div><div><input type="checkbox"/></div>BORDERED BY THAILAND TO THE NORTHWEST, LAOS TO THE NORTHEAST, VIETNAM TO THE EAST AND THE GULF OF THAILAND TO THE SOUTHWEST</div>	



2. LAND TRANSPORT MANAGEMENT

STRUCTURE OF MINISTRY OF PUBLIC WORKS AND TRANSPORT

- ☐ CABINAT OF MINISTER
- ☐ GENERAL DEPARTMENT OF ADMINISTRATION AND FINANCE
- ☐ GENERAL DEPARTMENT OF PLANNING AND POLICY
- ☐ GENERAL DEPARTMENT OF TECHNIQUES
- ☐ GENERAL DEPARTMENT OF PUBLIC WORKS
- ☐ **GENERAL DEPARTMENT OF LAND TRANSPORT**
- ☐ GENERAL DEPARTMENT OF WATERWAY-MARINE TRANSPORT AND PORT
- ☐ GENERAL DEPARTMENT OF LOGISTICS
- ☐ GENERAL DEPARTMENT OF SEWERAGE AND WATER TREATMENT
- ☐ GENERAL INSPECTORATE
- ☐ DEPARTMENT OF INTERNAL AUDIT
- ☐ RIAL DEPARTMENT
- ☐ DEPARTMENT OF TECHNOLOGY AND PUBLIC RELATIONS
- ☐ PROCUREMENT UNIT

Department of Land Transport

- ✓ Prepare laws, regulations, policies for land traffic
- ✓ Control vehicles
- ✓ Issue driving license
- ✓ Manage cross-border transport
- ✓ Collect land transport data
- ✓ Direct, implement control and monitor the implementation of plans, policies, laws ...

Department of Road Traffic Safety

- ✓ Manage road safety, operate road traffic – data collection of victims and crash
- ✓ Prepare policies and strategic plans for road safety management
- ✓ Educate, disseminate and provide training on road safety
- ✓ Prepare draft law and regulations
- ✓ Monitor and evaluate policies and action plans

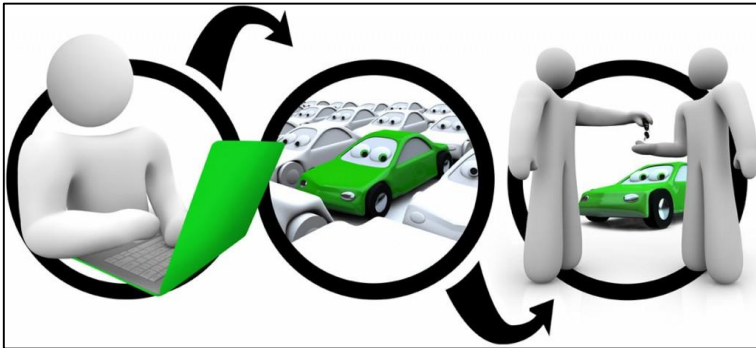
Department of Urban Transport

- ✓ Prepare plans, policies, laws and legal documents to control public transport
- ✓ Collect, compile, analyze, and manage transport data
- ✓ Manage public transport

3.ROAD TRAFFIC SAFETY and VEHICLES INSPECTION



VEHICLE REGISTRATION REGISTRATION DATA



VEHICLE REGISTRATION STATISTIC FROM 1990 TO 2020		
REGISTRATION	#	%
MOTORCYCLE	4,974,486	85%
LIGHT VEHICLE	615,133	10.5%
HEAVY VEHICLE	260,808	4.5%
TOTAL	5,850,427	
VEHICLE REGISTRATION – 2011 TO 2020 (LAST 10 YEARS)		
2011-2020	#	%
MOTORCYCLE	3,602,234	85.8%
LIGHT VEHICLE	442,199	10.5%
HEAVY VEHICLE	153,446	3.7%
TOTAL	4,197,879	100%

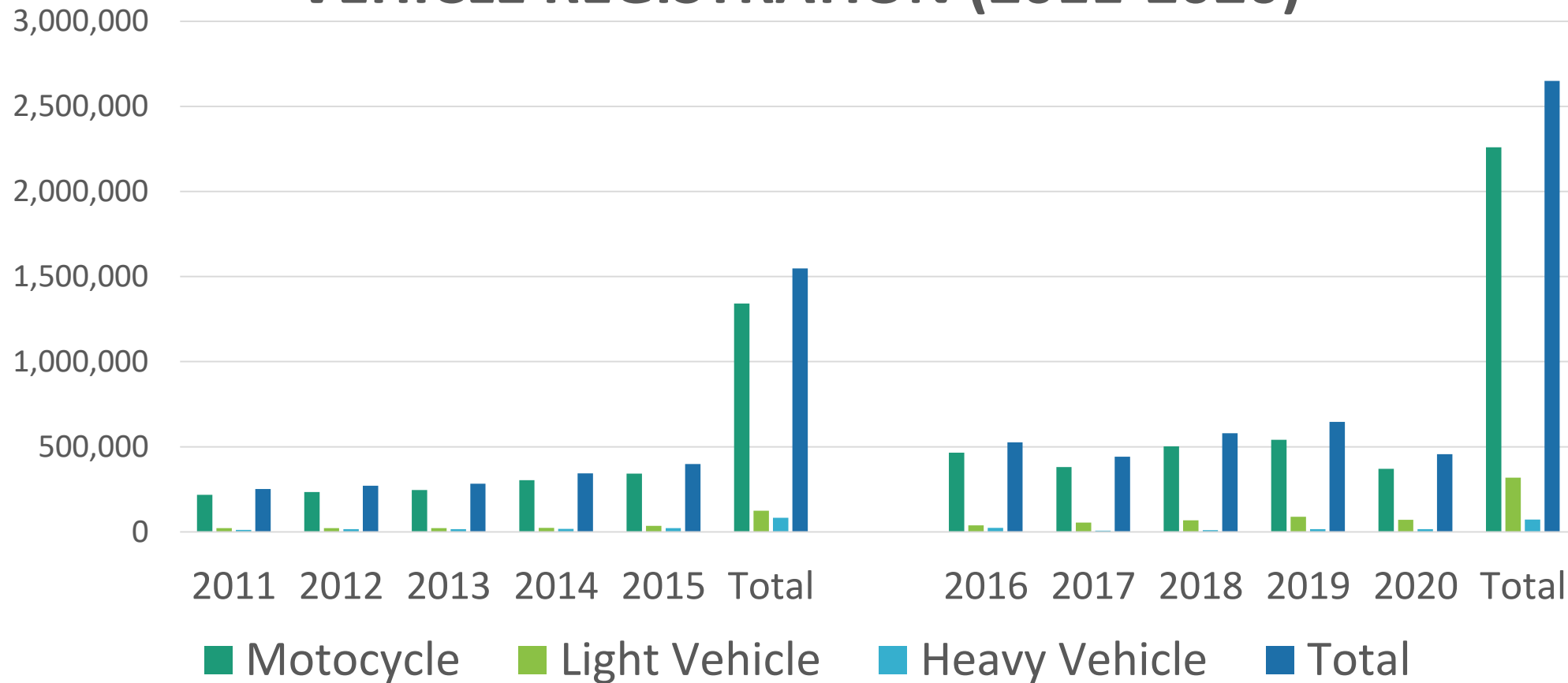


VEHICLE REGISTRATION



REGISTRATION DATA

VEHICLE REGISTRATION (2011-2020)





The total growth rate is 42% for the last 5 years.

VEHICLE GROWTH RATE (LAST 5 YEARS)	
2016-2020	%
MOTORCYCLE	85.3%
LIGHT VEHICLE	12%
HEAVY VEHICLE	2.7%

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VEHICLE INSPECTION (16 Vehicle Inspection Centers)

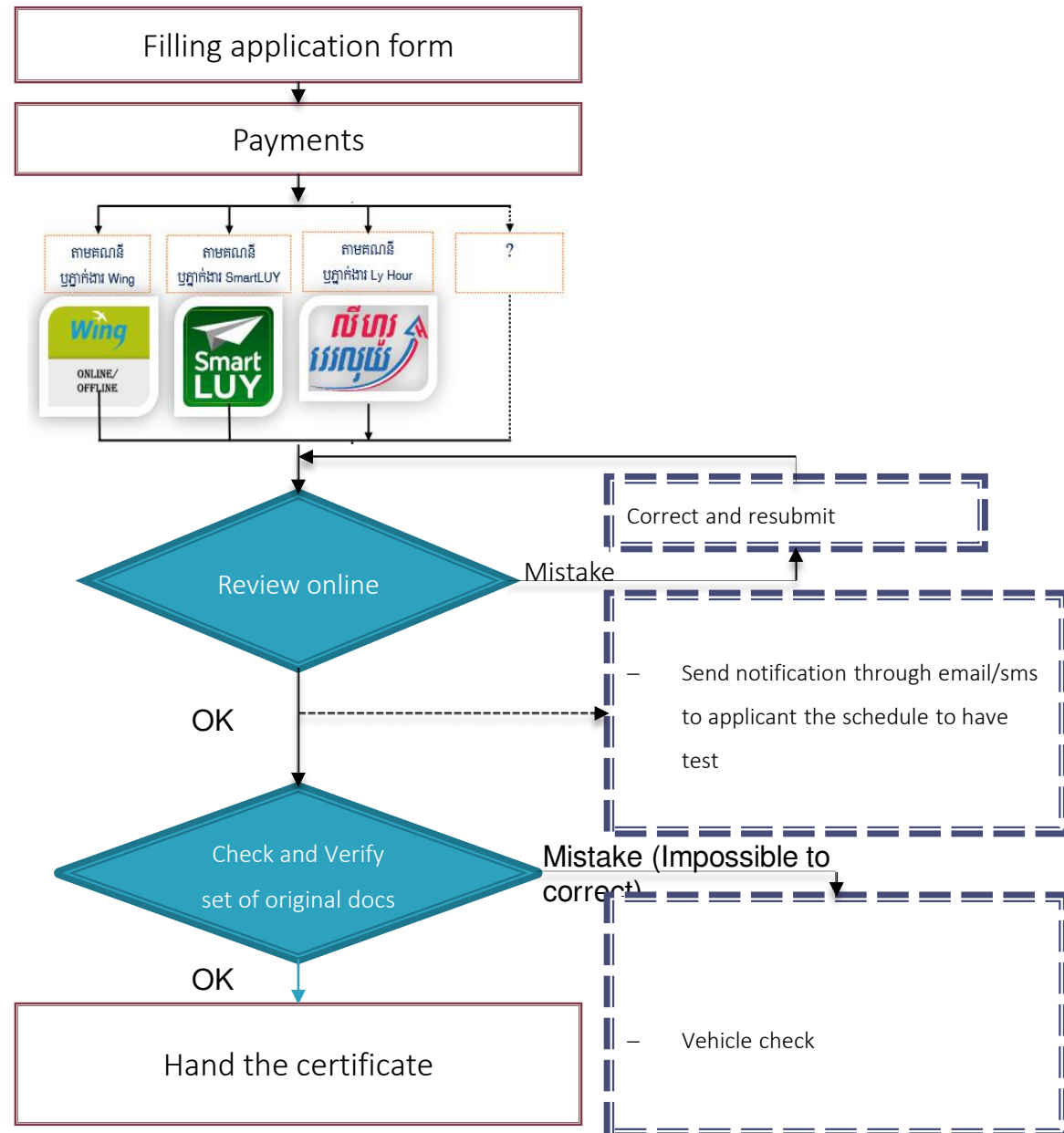


OVERVIEW OF APPLY FOR VEHICLE INSPECTION

Registration Requirements

- ID Card/Family Record
- Vehicle ID card
- Invoice
- Tax (incase not yet have the number plat)

Apply for <http://vehicleinspection.mpwt.gov.kh>



There are 16 vehicle inspection centers and 3 mobile inspection vehicles.



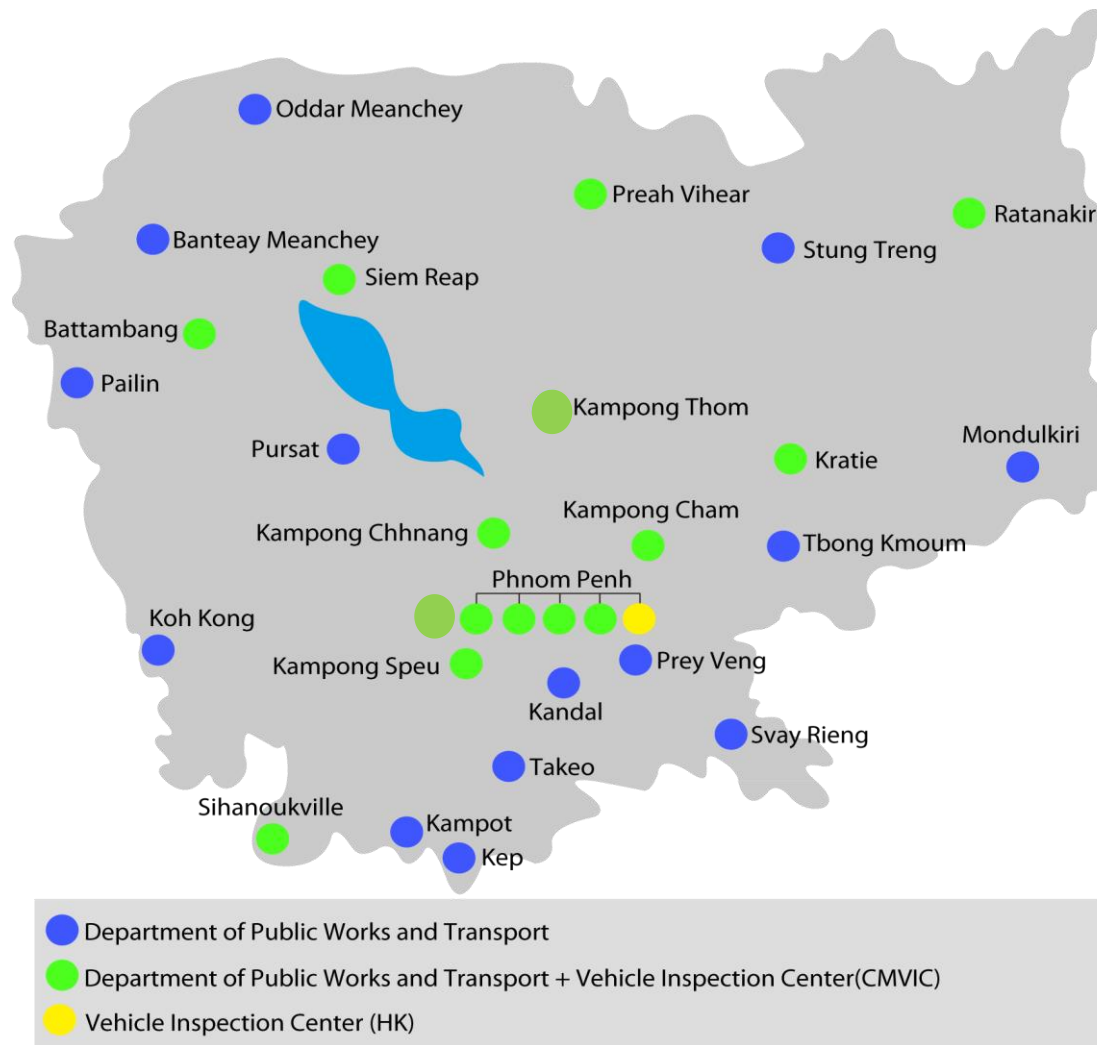
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▲ កំពង់ចាម



▲ ព្រះសីហនុ



▲ កំពង់ធំ



▲ ព្រះវិហារ



▲ សៀមរាប



▲ រតនគិរី



▲ បាត់ដំបង



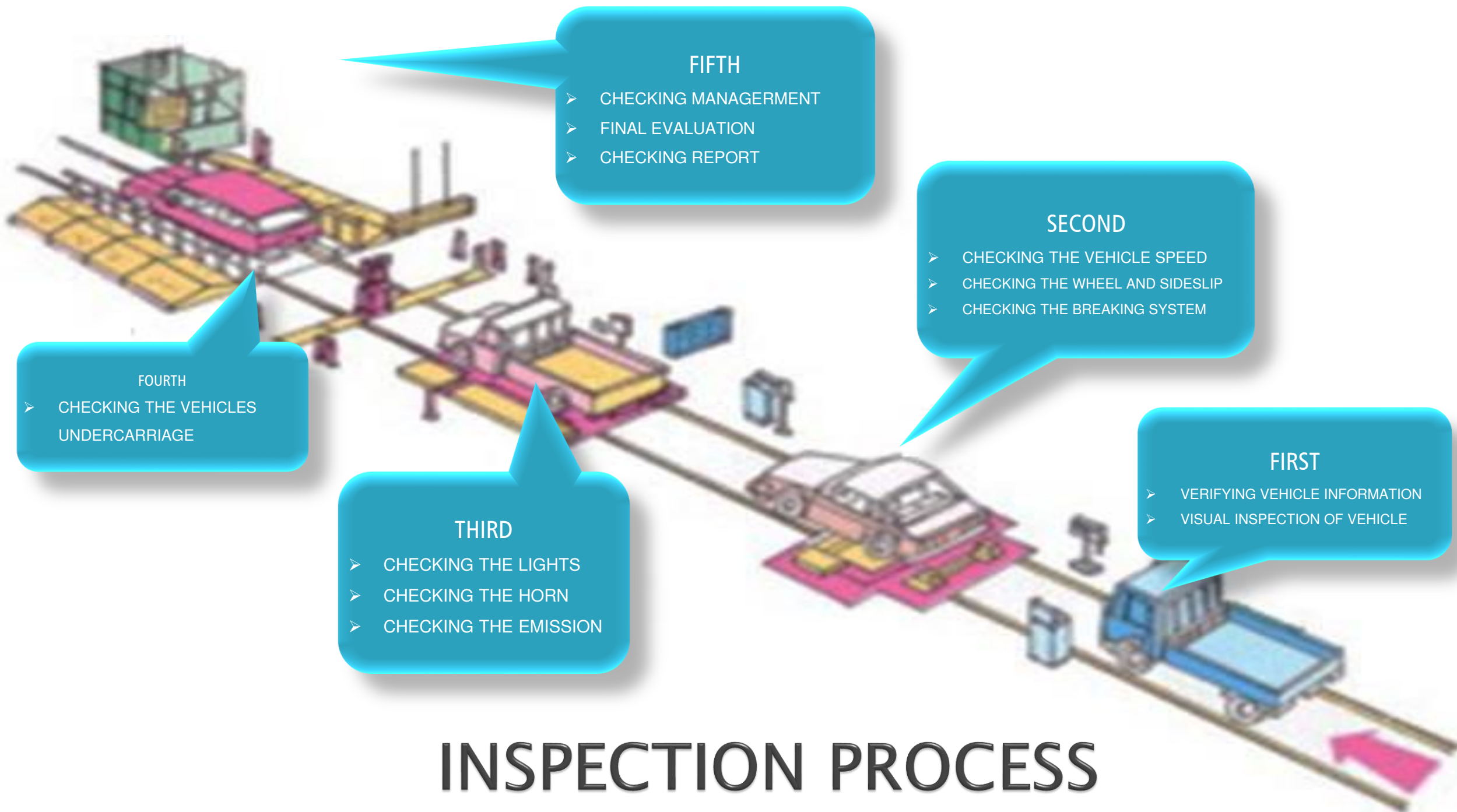
▲ កំពង់ស្ពឺ



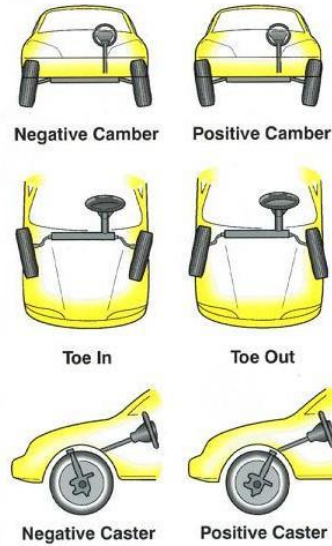
▲ ក្រចេះ



▲ កំពង់ឆ្នាំង



INSPECTION PROCESS



QR Code Checking



ព្រះរាជាណាចក្រកម្ពុជា
KINGDOM OF CAMBODIA
ជាតិ សាសនា ព្រះមហាក្សត្រ
NATION RELIGION KING

ក្រសួងសាធារណការ និងដឹកជញ្ជូន
MINISTRY OF PUBLIC WORKS AND TRANSPORT
អគ្គនាយកដ្ឋានដឹកជញ្ជូនដីគោក
GENERAL DEPARTMENT OF LAND TRANSPORT
លេខ No. 1765520072598

វិញ្ញាបនបត្រត្រួតពិនិត្យលក្ខណៈបច្ចេកទេសយានយន្ត ម៉ាក ស៊ីអិលស៊ី
CERTIFICATE OF VEHICLE TECHNICAL INSPECTION

ផ្ទាំងលេខ Number Plate	ថ្ងៃខែឆ្នាំត្រួតពិនិត្យ Inspection Date	ថ្ងៃខែឆ្នាំផុតកំណត់ Expiry Date
ម៉ាក Mark	ប្រភេទ Type	ពណ៌ Color
ឆ្នាំផលិត Year Made	ចង្កូត Steering	ចំនួនស៊ីឡាំង/ទំហំស៊ីឡាំង/កម្លាំងស្រទាប់ No Cylinders/Piston Displacement/Engine Power
ទម្ងន់យាន (គក) Vehicle Weight (Kg)	ទម្ងន់ផ្ទុកអតិបរមា(គក) Max.Load (Kg)	ទម្ងន់សរុប(គក) Gross Weight (Kg)
ចំនួនកៅអី Number of Seats	ប្រភេទប្រេង Type of Fuel	ទំហំកង់ Wheel Size
បណ្តោយ(ម) Length(m)	ទទឹង(ម) Width(m)	កំពស់(ម) Height(m)
ចំនួនកៅ Number of Axes	លេខម៉ាស៊ីន Engine Number	លេខតួ / លេខសាកសុំ Body/Chassis Number

សំគាល់ (Note) :





វិញ្ញាបនបត្រនេះ មិនចាំបាច់មានចុះហត្ថលេខា
The Signature is not required in this Certificate

ស្តីពី របៀបថ្នាក់កាតព្រក្រប

នៃវិញ្ញាបនបត្រ និង លក្ខណៈបច្ចេកទេសយានយន្តមាន QR CODE

ក្រសួងសាធារណការ និង ដឹកជញ្ជូន មានកិត្តិយស សូមជម្រាបជូនដល់សាធារណជនទាំងអស់ មេត្តាជ្រាបថា៖ ក្រសួងមានមោទនភាពខ្លាំងចំពោះការដាក់ប្រើប្រាស់ជាផ្លូវការដោយជោគជ័យនូវវិញ្ញាបនបត្រ និង លក្ខណៈបច្ចេកទេសយានយន្តដែលមាន QR Code ជាមួយប្រព័ន្ធស្វ័យប្រវត្តិកម្មវិស័យដឹកជញ្ជូនផ្លូវគោក ព្រមទាំងបានការលើកសរសើរជាច្រើនពីសំណាក់សាធារណជននិងបណ្តាញសារព័ត៌មាន។

ដើម្បីបង្កភាពងាយស្រួលក្នុងការពិនិត្យ និង បង្ការការកែប្រែបន្លំ ក្រសួងសាធារណការ និង ដឹកជញ្ជូន សូមបង្ហាញជូនអំពីលក្ខណៈពិសេសនៃវិញ្ញាបនបត្រ និង លក្ខណៈបច្ចេកទេសយានយន្ត ទម្រង់ថ្មីមាន QR Code ដូចខាងក្រោម៖





ROAD TRAFFIC SAFETY



CRASH DATA

COMPARISON OF ROAD FATALITIES BETWEEN 2013-2017 AND 2018-2020

Number of casualtie by years categories	2013-2017	2018-2020	GROWTH
	#		%
Fatality	10235	5668	-45%
Serious Injury	26676	10990	-59%
Slight Injury	31283	14707	-53%
No Injury	342	134	-
Unknown	1853	158	-91%



ROAD TRAFFIC SAFETY



CRASH DATA

COMPARISON OF ROAD FATALITIES BY ROAD USERS TYPE BETWEEN 2008-2012, 2013-2017 AND 2018-2019

Transportation categories	2008-2012	2013-2017	2018-2019
	#	#	
Motorbikes	6136	7386	3012
Pedestrian	1100	1045	381
Bicycle	336	256	77
Family car	585	600	117
Passenger vehicle	159	271	165
Good vehicle	409	328	163
Agricultural vehicle	211	233	43
Other	106	116	65



3.ROAD TRAFFIC SAFETY and VEHICLES INSPECTION



CRASH DATA

OVERVIEW OF ROAD FATALITIES (2013-2020)

Number of casuالتie by years	2013		2014		2015		2016		2017		2018		2019		2020 Police data only	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Fatality	1950	12%	2226	14%	2231	16%	1852	16%	1976	15%	1871	16%	2152	16%	1645	26%
Serious Injury	5671	35%	6005	39%	5450	40%	4697	39%	4853	36%	3983	34%	4097	30%	2910	46%
Slight Injury	8109	50%	6425	42%	5746	42%	5009	42%	5994	45%	5658	48%	7271	53%	1778	28%
No Injury	166	1%	105	1%	71	1%	0	0%	0	0%	57	0%	77	1%	0	0%
Unknown	331	2%	554	4%	151	1%	341	3%	476	4%	101	1%	57	0%	0	0%
Total	16227	100%	15315	100%	13649	100%	11899	100%	13299	100%	11670	100%	13654	100%	6333	100%

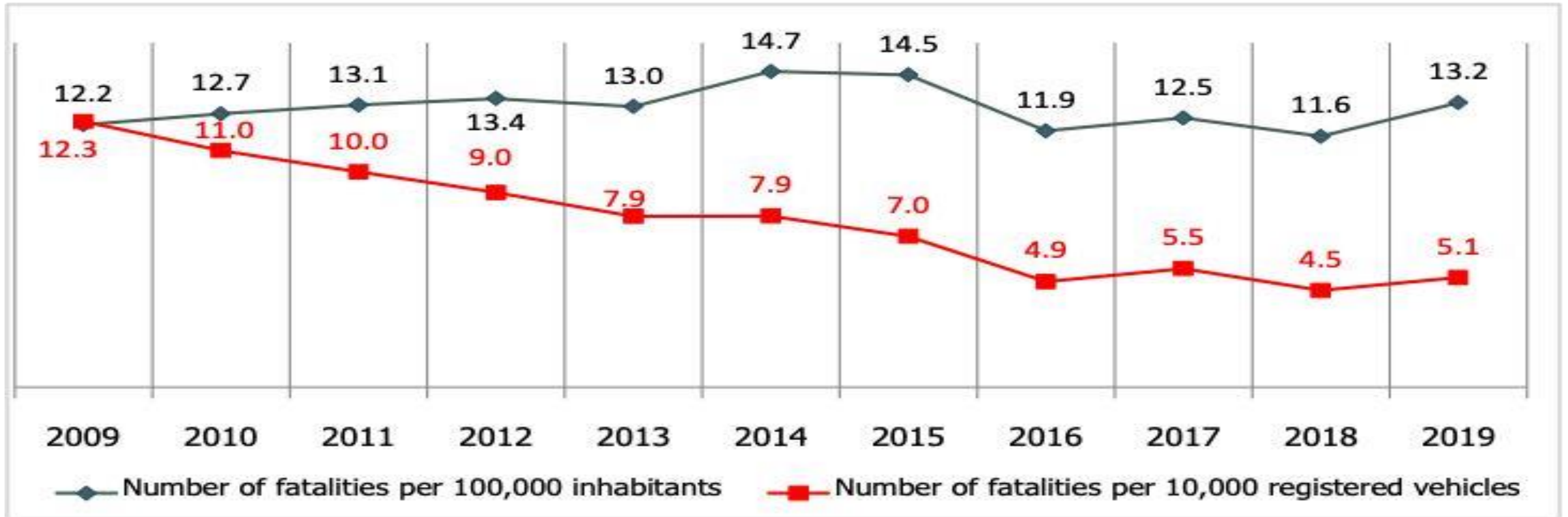


ROAD TRAFFIC SAFETY



CRASH DATA

PERCENTAGE OF ROAD FATALITIES WITH POPULATION AND VEHICLES IN CAMBODIA, 2006-2019





ROAD TRAFFIC SAFETY



CRASH DATA

THE NUMBER OF FATALITIES BY TRANSPORT MODE (2013-2019)

Transportation categories by years	2015		2016		2017		2018		2019	
	#	%	#	%	#	%	#	%	#	%
Motorbikes	1586	71%	1361	73%	1474	75%	1392	74%	1620	75%
Pedestrian	221	10%	178	10%	177	9%	177	9%	204	9%
Bicycle	55	2%	42	2%	48	2%	42	2%	35	2%
Family car	131	6%	115	6%	88	4%	64	3%	53	2%
Passenger vehicle	62	3%	60	3%	78	4%	74	4%	91	4%
Good vehicle	60	3%	65	4%	52	3%	73	4%	90	4%
Agricultural vehicle	79	4%	20	1%	36	2%	22	1%	21	1%
Other	37	2%	11	1%	23	1%	27	1%	38	2%
Total	2231	100%	1852	100%	1976	100%	1871	100%	2152	100%



NATIONAL MECHANISM

NATIONAL ROAD SAFETY COMMITTEE

The purpose of creation:

- ☐ Mobilize to increase cooperation, coordination, facilitation between ministries and relevant institutions to encourage the implementation of the National Road Safety Policy and Law on Road Traffic
- ☐ Protect the life of the people and prevent damage and loss of property and environment caused by traffic accident and traffic violations
- ☐ Ensure firm road safety and traffic order



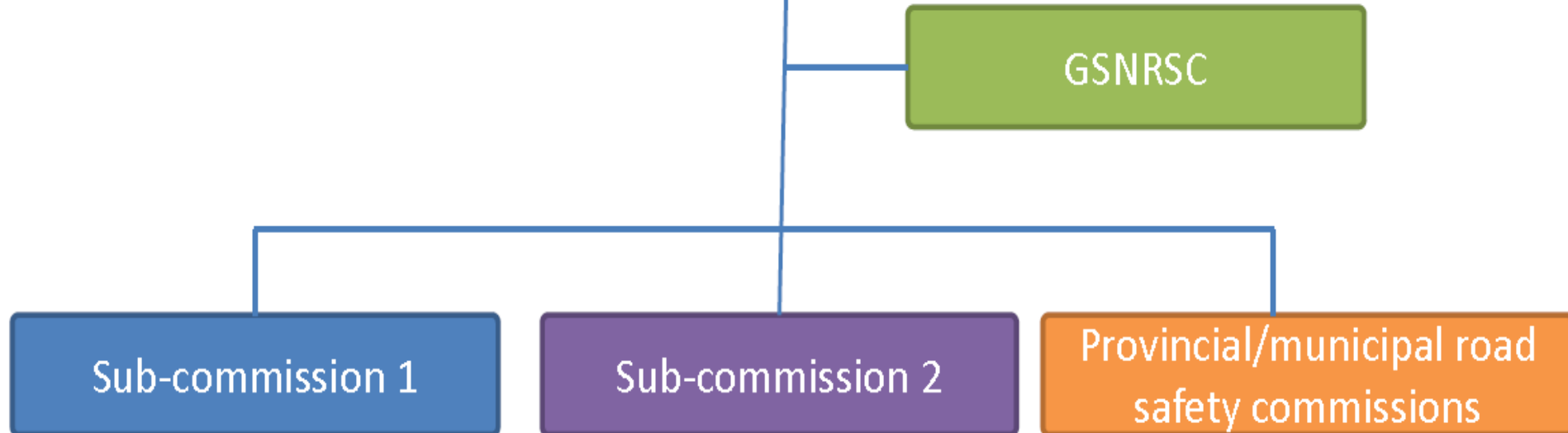
NATIONAL MECHANISM

STRUCTURE OF NRSC

06 June 2005



08 July 2015





NATIONAL MECHANISM



RULES & REGULATIONS



LAW ON ROAD TRAFFIC

Chapter 7: Vehicle and
Transportation management

- ✓ To raise awareness of road traffic safety
- ✓ To govern road traffic safety
- ✓ To maintain road traffic order
- ✓ To prevent road traffic offense/violations



SUB-DECREE ON PROVISIONAL PENALTIES ON ROAD TRAFFIC LAW VIOLATIONS

- ✓ To raise awareness of road traffic law
- ✓ To increase the effectiveness of road traffic law enforcement to improve road traffic order and safety
- ✓ To determine road traffic violations and fines



NATIONAL ROAD SAFETY POLICY (2011-2020)

- ✓ 8 pillars (road safety management, infrastructure, safe vehicles, road user behavior, post crash care, law enforcement, driving licenses, management & evaluation on transport service)



LAW ENFORCEMENT

- ✓ Helmet wearing
- ✓ Driving over speed limit
- ✓ Overloading
- ✓ Drink-driving
- ✓ Driving license & registration card
- ✓ None respect to technical specification
- ✓ None respect STOP sign
- ✓ None respect of give way
- ✓ Driving in opposite direction





AWARENESS

- ❑ Mobile app – CAMBODIA DRIVING RULES
- ❑ Road safety awareness campaigns
- ❑ Reflective sticker campaigns
- ❑ TV/radio spots
- ❑ Radio talk shows
- ❑ Road talk shows
- ❑ Journalist RS Training
- ❑ National & International events (ROAD SAFETY WEEK, WORLD REMEMBRANCE DAY)
- ❑ Road traffic law awareness campaigns
- ❑ Role of excellence (PRIMINISTER OF CAMBODIA – wearing helmet)





ACHIEVEMENTS

- ✓ The Prince Michael of Road Safety Award (UK) 2016
- ✓ Automation System (Vehicle registration, Driving license, Motor vehicle inspection, and Transport Operation) and get the ICT awards
- ✓ Public Transport (around 300 buses in the city, 4 boats, and rail)
- ✓ Reduce the fatalities from 2152 (2019) to 1645 (2020- police data) equal 23.55%



ACHIEVEMENTS



ផលិតផលល្អបំផុតក្នុងប្រភេទ
Best Product in Category



Cambodia Driving Rules
Ministry of Public Works and Transport
Public Sector



Morakot
Simply Innovative
Morakot VB (Core Banking System)
Morakot Technology
Private Sector



Open Data Develops Business Opportunities in Cambodia
Open Development Cambodia (ODC)
Corporate Social Responsibility



Soyo (Cambodia)
Soyo Entertainment Co., Ltd.
Digital Content



Banhji
PCG & Partners Co., Ltd.
Start-up Company





CHALLENGES & IMPROVEMENT

- ☐ Studies on motorbike fatalities and
- ☐ Technical support to implement road safety action plans
- ☐ Capacity building on road safety research field
- ☐ Studies on how to create motorcycles strategy
- ☐ A strict policy on motorbike registration
- ☐ Monitoring and evaluation system

WAY FORWARD ON VEHICLE EMISSION STANDARD

- Government circular no.01 on the measure to prevent and reduce air pollution (January 2nd 2020)

Standard	Type of fuel	Permissible pollutants	Date of implementation
Euro 4	Gasoline	CO \leq 1.0g/km HC \leq 0.1g/km NOx \leq 0.08g/km	From 01 January 2022
Euro 4	Diesel	CO \leq 0.5g/km HC+NOx \leq 0.3g/km NOx \leq 0.25g/km PM \leq 0.025g/km	From 01 January 2022
Euro 5	Gasoline	CO \leq 1.0g/km HC \leq 0.1g/km NOx \leq 0.06g/km PM \leq 0.005g/km	From 01 January 2027
Euro 5	Diesel	CO \leq 0.5g/km HC+NOx \leq 0.23g/km NOx \leq 0.18g/km PM \leq 0.005g/km	From 01 January 2027

ឧបសម្ព័ន្ធទី២នៃសភាបេសេន០១១៣៧... ចុះថ្ងៃទី... ខែ... ឆ្នាំ... ២០២០

ស្តីពីការបញ្ជាក់បទដ្ឋានបំពុលខ្យល់ក្នុងតំបន់

ប្រភេទ ស្តង់ដារ	ប្រភេទ ឥន្ធនៈ	កម្រិតសារធាតុបំពុលខ្យល់អនុញ្ញាតឱ្យបញ្ចេញពីរថយន្ត	កាលបរិច្ឆេទអនុវត្ត
ប្រភេទ៤ (EURO IV)	សាំង	- CO \leq ១,០ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 1.0 g/km) - HC \leq ០,១ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.1 g/km) - NOx \leq ០,០៨ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.08 g/km)	ចាប់ពីថ្ងៃទី១ ខែមករា ឆ្នាំ២០២២
	ម៉ាស៊ីន	- CO \leq ០,៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.5 g/km) - HC + NOx \leq ០,៣ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.3 g/km) - NOx \leq ០,២៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.25 g/km) - PM \leq ០,០២៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.025 g/km)	
ប្រភេទ៥ (EURO V)	សាំង	- CO \leq ១,០ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 1.0 g/km) - HC \leq ០,១ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.1 g/km) - NOx \leq ០,០៦ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.06 g/km) - PM \leq ០,០០៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.005 g/km)	ចាប់ពីថ្ងៃទី១ ខែមករា ឆ្នាំ២០២៧
	ម៉ាស៊ីន	- CO \leq ០,៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.5 g/km) - HC + NOx \leq ០,២៣ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.23 g/km) - NOx \leq ០,១៨ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.18 g/km) - PM \leq ០,០០៥ក្រាមក្នុង១គីឡូម៉ែត្រ (\leq 0.005 g/km)	

៦ / ៧



CONCLUSION

- ❑ Public transport promotes safety for motorcycles and reduces the number of vehicle registration
- ❑ Law enforcement and awareness are accompanying together
- ❑ Motorcycle safety strategy can reduce the number of motorcycle fatalities

A photograph of the Angkor Wat temple in Cambodia during sunset. The temple's five towers are silhouetted against a pink and orange sky. Palm trees are scattered around the temple grounds. The entire scene is reflected in a body of water in the foreground.

អរគុណច្រើន!

THANK YOU SO MUCH!