



# MALAYSIA

## Country EST Report



### *Voluntary Progress / Achievements / Initiatives in Implementing Bangkok 2020 Declaration*

STRATEGY / STATUS	Not Yet	Some (Design - Piloting)	Largely in Place	Fully Completed
<b>AVOID</b>			<ul style="list-style-type: none"> <li>* Land Use and transport planning formulation</li> <li>* Mixed-use development</li> <li>* Institution of ICT</li> </ul>	
<b>SHIFT</b>		<ul style="list-style-type: none"> <li>* Non-Motorised Transport (NMT)</li> <li>* Transportation Design Management (TDM)</li> </ul>	<ul style="list-style-type: none"> <li>* Improve public transport services</li> <li>* Inter-city passenger and goods transport</li> </ul>	
<b>IMPROVE</b>		<ul style="list-style-type: none"> <li>* Diversity of transport fuels and technologies</li> <li>* Standards for fuel quality, efficiency and emissions</li> <li>* Adoption of ITS</li> </ul>	<ul style="list-style-type: none"> <li>* Improved freight transport efficiency</li> </ul>	<ul style="list-style-type: none"> <li>* Establish effective vehicle testing and compliance regimes</li> </ul>
<b>CROSS-CUTTING</b>	<p>2013 →</p>	<ul style="list-style-type: none"> <li>* Monitoring of health impacts from transport emissions</li> <li>* Air quality and noise standard</li> <li>* Sustainable low-carbon transport initiatives</li> </ul>	<ul style="list-style-type: none"> <li>* Zero-fatality policy</li> <li>* Innovative financing mechanisms</li> <li>* Information and awareness</li> <li>* Dedicated institutions and good governance</li> </ul>	



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### AVOID STRATEGY

GOAL	Programs/Initiatives	Critical Challenges	Actions (2014-2015)
<b>1</b> Integration of Land Use and Transport Planning	<ul style="list-style-type: none"> <li>■ Preparation of National Physical Plan (NPP): <ul style="list-style-type: none"> <li>■ An integrated national transportation in recognition of relationship between land use and transport</li> <li>■ A national integrated high-speed rail system</li> <li>■ The national road network shall be further extended for regional travel and for local access</li> </ul> </li> </ul>	(No crucial challenges)	Future Cities Initiative: focus on encouraging people to use public transport for commuting in city areas
<b>2</b> Mixed-use Development	<ul style="list-style-type: none"> <li>■ Development of Kuala Lumpur Central (KL Central) and Tasek Selatan Integrated Transportation Centre in Kuala Lumpur as the national transportation hub</li> <li>■ Development of Park and Ride facilities at Putrajaya and Light Rail Transit (LRT) stations</li> </ul>	Objection by surrounding residents resulting delays in issuing Development Orders by local authority	Implementation of Compact City Guideline and Initiative in 2 cities in Malaysia, i.e. Kajang (State of Selangor) and Kangar (State of Perlis)
<b>3</b> Enabling Information and Communications Technologies (ICT)	<ul style="list-style-type: none"> <li>■ Performance Monitoring Hub System - to monitor performance of all bus operators in city centre (installation of GPS unit on board and control centre)</li> <li>■ Centralised Taxi Service System (CTSS)</li> <li>■ Journey Planner</li> </ul>	<ul style="list-style-type: none"> <li>■ Current taxi operators objecting CTSS as this project may have an impact on their ongoing businesses.</li> <li>■ To obtain real time information from operators (bus &amp; rail)</li> </ul>	<ul style="list-style-type: none"> <li>■ Appointment of contractors to install the system for 7000 taxis</li> <li>■ Appointment of contractor to install the platform Journey Planner</li> </ul>



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### SHIFT STRATEGY

GOAL	Programs/Initiatives	Critical Challenges	Actions (2014-2015)
<b>4 Non-Motorized Transport (NMT)</b>	<ul style="list-style-type: none"> <li>Formulation of green neighbourhood initiative on construction of bicycle lane in housing and city centre areas</li> <li>Pedestrian linkages/covered pedestrian walkaway in Kuala Lumpur</li> </ul>	<ul style="list-style-type: none"> <li>Promotion and providing incentives for public to adopt NMT</li> <li>Limited space within road reserve for pedestrian walkways and cycle paths</li> </ul>	Improvement of existing cycling path in Putrajaya involving 22.8km in length to connect the city centre with residential areas as a pilot project.
<b>5 Improve Public Transport Services</b>	<ul style="list-style-type: none"> <li>National Key Result Area – Urban Public Transport under Government Transformation Plan (GTP 2.0) has set a target of 25% modal share (Kuala Lumpur and surroundings)</li> </ul>	<ul style="list-style-type: none"> <li>Different local authorities have different requirement</li> <li>Budget</li> <li>Land acquisition</li> </ul>	The implementation of Bus Rapid Transit (BRT) services (pilot project) for Kuala Lumpur to Klang Corridor - currently under study
<b>6 Transportation Demand Management (TDM)</b>	<ul style="list-style-type: none"> <li>The draft of Greater KL/Klang Valley Land Public Transport Masterplan has underlined the objectives and strategies towards implementing travel demand management measures for the Greater KL area</li> </ul>	Expected initial opposition from car drivers on measures that restrict car usages in the city centre	Presented TDM Guideline together with National Land Public Transport Master Plan to National Physical Planning Council
<b>7 Inter-City Passenger and Goods Transport</b>	<ul style="list-style-type: none"> <li>Upgrading of existing infra: Ipoh and Nilai Inland port, double track (train), ports and airports</li> <li>Planning stage: High Speed Train (KL – Singapore)</li> <li>The Roadmap for Logistics Development</li> </ul>	Integrating current facilities to improve efficiency in movement and to reduce or maintain cost	The new set up of Malaysian Logistics and Supply Chain Council for the benefits of logistics industry as a whole



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### IMPROVE STRATEGY

GOAL	Programs/Initiatives	Critical Challenges	Actions (2014-2015)
<b>8 Transport Fuels and Technologies</b>	<ul style="list-style-type: none"> <li>Government has agreed to introduce B10 biodiesel program at nationwide</li> </ul>	<ul style="list-style-type: none"> <li>Continuous subsidy needed</li> <li>Automotive manufacturers need to develop an acceptance of engine warranty for biodiesel fuel</li> </ul>	<p>Establishment of Biodiesel Malaysia Sdn Bhd (BMSB) to promote the export of biodiesel from Malaysia to oversea market</p>
<b>9 Standards For Fuel Quality and Efficiency</b>	<ul style="list-style-type: none"> <li>Petrol Euro4M will be implemented in September 2015 (RON97); and followed by RON95 in October 2018; Sulphur content of the fuel will be reduced from 500ppm to 50ppm</li> </ul>	<ul style="list-style-type: none"> <li>Local oil companies challenges in retrofitting oil refinery and upgrade its infrastructure by 2015</li> <li>Pricing structure on Euro4M Petrol fuel</li> </ul>	<ul style="list-style-type: none"> <li>Euro 3 emission standards for motorcycle will be implemented</li> <li>Emission standard Euro 1 to Euro 2 in 2015 for diesel driven engine</li> </ul>
<b>10 Vehicle Inspection and Maintenance</b>	<ul style="list-style-type: none"> <li>Based on international standard, as suggested by the International Motor Vehicle Inspection Committee (CITA).</li> <li>Smoke inspection standards by the Department of Environment (DOE) - meet with the requirement of UNR83 For Emission</li> </ul>	<p>No law to enforce phase out scheme/regular mandatory inspection</p>	<p>Discussion with relevant stakeholders and public to implement mandatory inspection of private vehicles</p>
<b>12 Freight Transport Efficiency</b>	<ul style="list-style-type: none"> <li>Improve efficiency of ports operation through national single window clearance system and handling of inland ports</li> <li>Electrified Double Tracking Project (EDTP) from Ipoh to Padang Besar (almost completed)</li> </ul>	<p>To integrate application system between various ports and government agencies</p>	<ul style="list-style-type: none"> <li>E-Customs Project</li> <li>Upgrading and widening road at ports entry point</li> </ul>



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### CROSS-CUTTING STRATEGY

GOAL	Programs/Initiatives	Critical Challenges	Actions (2014-2015)
<b>13 Zero Fatality Policy</b>	<ul style="list-style-type: none"> <li>Road Safety Plan of Malaysia 2014-2020 (RSPM) was formulated to address all matters related to road safety in the country - to reduce the number of predicted fatalities in 2020 under the "Business as Usual" model by 50%</li> </ul>	<ul style="list-style-type: none"> <li>Post crash management – emergency response</li> <li>Low usage of public transport</li> </ul>	<p>Introduction of mandatory wearing of rear seat belt</p>
<b>14 Monitoring of Health Impacts</b>	<ul style="list-style-type: none"> <li>Malaysia has officially set up a Secretariat to develop, implement and coordinate National Environmental Health Action Plan (NEHAP) - bring into focus on air quality pertaining to air pollution and health impacts</li> </ul>	<p>Inadequate understanding of patterns of human exposure to traffic and a lack of adequate models to evaluate the exposure implications</p>	<p>Collaboration with various audience and stakeholders to promote monitoring of health impact from transport emissions in major cities</p>
<b>17 Social Equity</b>	<ul style="list-style-type: none"> <li>NKRA Projects - Urban Public Transport: Additional new 4 car LRT trains and 38 units of 6 car KTM Commuter trains equipped with Universal Access features; PIDS, priority seats for PWD, Elderly, Pregnant Ladies</li> </ul>	<ul style="list-style-type: none"> <li>Additional cost to build and install facilities</li> <li>Lack of standard design</li> <li>High expectation from the target group; i.e. PWD's &amp; Elderly Associations</li> </ul>	<p>Awareness Program to the Local Council/ Authority and Transport Operators in the major cities</p>