Road Safety Management Workshop

Road Safety in CAMBODIA

By
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Agency: National Road Safety Committee

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National Data

Cambodia:
- Population: 14,474,644 (annual growth rate 2.15)
- Square Kilometer: 181,035 Km²
- Road Length: 30,391 km
- No of Registered Vehicles and % trend: 714,463 vehicles and 37% increase from 2000-2007
Definition and Data System

**Definition:**
- **Fatality:** death within 30 days of accident
- **Serious injury:** casualties hospitalized for more than 10 days
- **Moderate injury:** casualties hospitalized from 1-10 days
- **Slight Injury:** casualties not hospitalized

**Data System – Road Traffic Accident and Victim Information System (RTAVIS):**
- **Police and Hospital Data**
  - **Form:** standardized for the whole country
  - **Database System:** Yes – centralized database access and retrieval at Handicap International Belgium (transfer to NRSC in 2009/10)
  - **Software:** Microsoft Access and Visual Basic 6, and SPSS
  - **Annual Accident Report availability:** Yes, including monthly report and customized to end-user needs
  - **Injury classification used:** fatality, severe, moderate, slight
Data & Major Trend

Traffic accidents make up 46% of all recorded injuries, and contribute almost 7% towards the causes of physical impairment and disability in the country.

Road traffic accidents, casualties and fatalities increase more proportionally than road traffic and population.

- Every day, more than 4 persons die and other 70 are injured.
- From 2001 to 2007, the number of fatalities has triple.
- The total economic loss of road traffic accidents is estimated at 116 million US$ annually (ADB) in 2004.

Sources: RTAVIS annual report 2007
Safety Target and Management

• **National Safety Targets established:**
  ◦ **Deaths /10,000 vehicles:** 7 by year 2010 (currently 18 / 10,000 vehicles)
  ◦ **Deaths /100,000 population:** N/A (currently 9.2 / 100,000 population)

• **National Safety Plan:**
  ◦ ADB/ASEAN version
  ◦ **Key strategies and programs:** RTAVIS, helmet wearing, education and awareness, traffic laws and enforcement, technical inspection, driver training, emergency assistance (first aid),

• **Institutional Set-up and arrangements**
  ◦ National Road Safety Committee (legally est.2005) tasked with overall coordination of RS in Cambodia
  ◦ Budget: USD 108,000 (2007), USD 300,000 (2008)
In 2007, the fatality rate (in 10,000 vehicles) is more than double the target for 2010. It is a very big challenge for the country to achieve the target, which is set in the National Road Safety Action Plan.

Sources: RTAVIS annual report 2007
Type of Transport

Very high share of 2-wheeled vehicles in the vehicle fleet (75% of motorized vehicles).
Heterogeneous traffic mix (e.g. motorbikes, ox carts and bicycles sharing the road with high-speed 4-wheelers).
Key Issues and Challenges

Key Issues Identified in National Plan

- **Target Groups:** motorcycle riders, students (grade 1-9), general public, traffic police
- **Target behaviours:** helmet wearing, speeding, drunk-driving, seatbelt, overloading, road rules, vehicle registration and licensing
- **Road and vehicle:** vehicle inspection, improvement of road design
## Strategic Programs and Projects

<table>
<thead>
<tr>
<th>Strategic Projects</th>
<th>% Intervention Coverage</th>
<th>Potential Reduction %</th>
<th>No. of Deaths Involved/y</th>
<th>Expected No. of Fatality Reduction</th>
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<tbody>
<tr>
<td></td>
<td>2007</td>
<td>2008</td>
<td>2009</td>
<td>2010</td>
</tr>
<tr>
<td>Helmet</td>
<td>30</td>
<td>50</td>
<td>80</td>
<td>80</td>
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<tr>
<td>RSE</td>
<td>50</td>
<td>70</td>
<td>80</td>
<td>80</td>
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<tr>
<td>driver training</td>
<td>15</td>
<td>30</td>
<td>40</td>
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<tr>
<td>Total</td>
<td></td>
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Targeted Safety Index (deaths/10,000 vehicles)

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>0.84</td>
<td>1.48</td>
<td>2.04</td>
<td>2.04</td>
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</table>
Example of a Successful Road Safety Intervention

- **Name of intervention:** Helmet Wearing Awareness Campaign in Phnom Penh (2004-ongoing)

- **Problem statement:** The majority of motorcycle riders do not wear helmets and suffer the majority of casualties and deaths (97%)

- **Issues identified:** Helmet wearing law not yet implemented, young people are most vulnerable, helmets are expensive compared to income, no helmet standards, attitudes towards helmets among riders, incorrect usage of helmet

- **Rationale:** The majority of Cambodians drive motorcycles (77%), to increase voluntary compliance of helmets use among Cambodian motorcycle riders

- **Detail of Intervention:** TV and radio spots, poster, leaflet campaign, education in schools, celebrity endorsements, advocacy, multi-stakeholder involvement

- **Impact of Intervention:** Phnom Penh increase from 7% (2004) to 21% (2007)
Fact of Intending
To share road safety knowledge, skills, experience, understanding and deliver sustained reductions in road traffic accident.

Thank you