

Executive Summary

The PIARC Technical Committee C2 (design and operation of safer road infrastructure) meeting was held in Kuala Lumpur, Malaysia from Friday April 26 to Saturday April 27, 2019. 11 committee members were in attendance comprising delegates from Malaysia, South Africa, Germany, Italy, France, Mexico and Japan.

The meeting was held in conjunction with the International Seminar and Workshop "*Safer Roads by Infrastructure Design and Operation*" which ran from April 23 to April 25, 2019 hosted by the ASEAN Road Safety Centre. The Seminar and Workshop included both national and international representatives of public and private organisations, to foster dialog and exchange of knowledge related to road safety in the context of road infrastructure in an emerging economy. Evan Coulson presented on Day 1 of the seminar and assisted during the '*Basics in Human Factors*' workshop on Day 3.

The primary focus of the TC C2 meeting was to report progress on the work program of the three working groups including finalisation of work in preparation for the World Road Congress in Abu Dhabi 2019.

Background

The goal of strategic theme C is to improve the safety and efficiency of road transport, including the movement of people and goods on the network, while effectively and widely promulgating knowledge of all aspects of road safety and encouraging implementation of positive practices.

Technical Committee C2 is focusing on issues pertinent to vulnerable road users, driver distraction and fatigue, and how human factors should be considered in road design and operations. The work will be incorporated into the RSM and also lead to Road Safety Audit guidelines taking into account conditions for low and middle-income countries.

The outputs of the Technical Committee are to be integrated into PIARC's Road Safety Manual (<https://roadsafety.piarc.org/en>) which is designed to assist countries fulfil road safety objectives and promotes adoption of a Safe System approach.

Work Program

Following analysis of all case studies, the Committee found a significant relationship. As such, it was decided that all three case study topics for 2.1, 2.2 and 2.4 would be combined.

This will result in final deliverables to meet the ToR as follows:

1. Case Studies – VRU, HF and LMIC – Compendium
2. Setting credible speed limits – Technical report
3. RSA Review – Technical report
4. Road Safety Investigation Guideline – Technical report
5. TC C2 Input for RSM: 9 case studies for inclusion using template of TC C1

Meeting outputs

The key output of the meeting was preparation for the World Road Congress in Abu Dhabi 2019 and completion of outputs. All outputs were confirmed as being on-time. The Committee have started preparing their session at the World Road Congress to present outputs.

Learnings for Australia and/or New Zealand

Collation and publication of case study examples from around the world will not only benefit LMIC but provide examples for Australia and New Zealand to consider adapting treatments to local conditions to address road safety issues.

Content on Human Factors will provide Australian and New Zealand designers important principles for making decisions. Human Factors principles are critical in the Safe System philosophy.

Benefits from other associated activities

Participation at the International Seminar and Workshop provided an opportunity to share learnings from Australia and New Zealand, including information about Austroads' Safe System Assessments. The conference included technical sessions on road design and road safety, including detailed information on Dedicated Motorcycle Lanes, common in ASEAN.

The workshop provided insight into the 'Basics in Human Factors'.

Conclusions and recommendations

The Technical Committee is on track for the World Road Congress in Abu Dhabi 2019.



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