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Title: A.1 justification for proposed draft new Recommendation ITU-T Y.Highway-KPI "Key performance indicators of ICT based highway traffic safety assessment"

Contact: Okan GERAY
Digital Dubai
United Arab Emirates
Tel: +971 04 559 9999
Email: Okan.Geray@digitaldubai.ae

Contact: Keng LI
China Information Communication Technologies Group
China
Tel: +86 27 59100789
Email: kli@fiberhome.com

Abstract: This TD contains A.1 justification for proposed draft new Recommendation ITU-T Y.Highway-KPI "Key performance indicators of ICT based highway traffic safety assessment".

Please see below.

A.1 justification for proposed draft new Recommendation

Question:	7/20	**Proposed new ITU-T Recommendation**	Geneva, 18-28 July 2022	
Reference and title:	Y.Highway-KPI "Key performance indicators of ICT based highway traffic safety assessment"			
Base text:	TD259		**Timing:**	Q4 2024
Editor(s):	Yiping Lu, China Information Communication Technologies Group, lyp@ycig.com Hongqing Ding, China Information Communication Technologies Group, hqding@wri.com.cn Ziqin Sang, China Information Communication Technologies Group, zqsang@wri.com.cn		**Approval process:**	TAP

Scope (defines the intent or object of the Recommendation and the aspects covered, thereby indicating the limits of its applicability):

This Recommendation presents methodology of evaluating ICT based highway traffic safety. It provides a set of key performance indicators to quantitatively assess the highway traffic safety.

NOTE:

- Policy and regulation are out of the scope of this recommendation.

Summary (provides a brief overview of the purpose and contents of the Recommendation, thus permitting readers to judge its usefulness for their work):

A lot of information and communication technologies have been widely used in the traffic field, especially in the highway industry, and have made remarkable achievements. However, there is no scientific and effective index system for evaluating ICT-based highway traffic safety. In other words, there is a lack of uniform capability assessment methodologies for ICT based highway traffic safety assessment. This recommendation presents methodology of evaluating ICT based highway traffic safety assessment in the context of smart sustainable cities and communities. It provides a set of key performance indicators to quantitatively assess the highway traffic safety.

Relations to ITU-T Recommendations or to other standards (approved or under development):

ITU-T Y.4900, ITU-T Y.4901, ITU-T Y.4902, ITU-T Y.4903

Liaisons with other study groups or with other standards bodies:

ISO, IEC

Supporting members that are committing to contributing actively to the work item:

China Information Communication Technologies Group, Wuhan University, China Unicom, China Telecom