

Dear TRAI officer,

Greetings from China!

I'm an independent C-V2X Industry Observer living in Beijing.

The C-V2X and automotive industry here in China are aware that India government is planning to mandate C-V2X based V2V (vehicle-to-vehicle direct communication), and it is **truly amazing** !!!

Probably India will become the **first** nation who mandates C-V2X based V2V technology on the earth. **This would be a moment that history will remember** !!!

Actually about 10 years ago, the USA authority U.S. DOT/NHTSA proposed a rulemaking to mandate V2V communication to save lives. (FMVSS No. 150 https://www.nhtsa.gov/sites/nhtsa.gov/files/documents/v2v_pria_12-12-16_clean.pdf)

However, at that time it was based on DSRC. Then DSRC was replaced by C-V2X, and FCC adopted C-V2X as the only ITS communication technology in the USA. That's why NHTSA had to withdraw the FMVSS No. 150 in 2023.

Now India has taken the lead !!! We are so amazed by India government that you are playing a pioneering and leading role in guiding countries worldwide to mandate V2V on passenger cars, to improve road **SAFETY** and save **LIVES**.

We believe that C-V2X direct communication including V2V, V2I and V2P will for sure be the fundamental of next-generation and future autonomous driving.

Companies like **NVIDIA** are already taking actions. NVIDIA and Carnegie Mellon University jointly released their research works on **Vehicle-to-Vehicle (V2V) communication enabled Cooperative Autonomous Driving**. The Cooperative Autonomous Driving enabled by V2V direct communication is the future trend. As a leading supplier of hardware and software solutions in the AD field, looks like NVIDIA has already started their strategic deployment on Cooperative Autonomous Driving.

- Link to the papers from arXiv.org (operated and maintained by Cornell University):
 - [V2V-LLM: Vehicle-to-Vehicle Cooperative Autonomous Driving with Multi-Modal Large Language Models](#)
 - [V2V-GoT: Vehicle-to-Vehicle Cooperative Autonomous Driving with Multimodal Large Language Models and Graph-of-Thoughts](#)

I wrote an article about TRAI's consultation paper on V2X communication on my **WeChat Public Account**, distributed the message/information to the industry/authorities here in China. Though it's in Chinese, shouldn't be a problem to translate it with AI tools.

- The link to the article: <https://mp.weixin.qq.com/s/jPRzkecZAaAgAzfQbLS2Lw>



Best regards,

Rui

