
X4000 Communications response to the Draft Principles for National Approach to C-ITS – January 2023

Are principles for a national approach to C-ITS in Australia necessary? And if so, are the draft principles, as articulated, sufficient to inform investment by industry in C-ITS?

Yes, principles for a national approach to C-ITS in Australia is necessary to ensure each state and territory align for the successful outcome of the C-ITS deployment model. The current draft principles are not sufficient to inform investment and /or the approach. New emerging technology is being developed, evaluated, tested and becoming available. Also, further principles are required on cyber-security, privacy and the scalability for the data generated and the data volume needs to be considered.

Over the next 5 years, to what extent does your organisation anticipate moving into a C-ITS role or increasing its involvement in C-ITS?

X4000 Communications specialise in wireless technology for V2X (DSRC/ITS-G5/C-V2X) which includes V2I, V2P, V2V, V2N focused on the automotive industry, and government agencies for the Connected and Autonomous Vehicle (CAV). X4000 is the first digital service provider in Australia to offer private 5G mobile networks with dedicated X4000 Fast Air spectrum powered by Open RAN technology which can be used for Over-the-Air (OTA) V2N communication and we provide spectrum and consultancy services for CAV, V2X and C-ITS.

How might C-ITS impact other vehicle connectivity systems in Australia, including vehicle/original equipment manufacturer (OEM) connectivity, vehicle/cloud connectivity, heavy vehicle telematics systems, mapping systems, etc.?

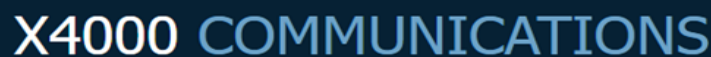
Depending on the strategy and principles for C-ITS deployment model in Australia this will require a high-level impact risk assessment to ensure this does not impact existing vehicle connectivity systems. The C-ITS deployment model maybe a hybrid approach for interoperability where possible, if possible and a co-existence of multiple solutions that will not have an impact on existing connectivity.

The draft Principles include a focus on cooperation across industry, government, the research sector, and the community: what structures would be necessary to support the development of an Australian C-ITS system?

A joint member collaboration working-group across all parties relevant to provide direction and guidance for future development and deployment for C-ITS.

After the Principles, what next steps do you think would be most productive?

Further consultation and review for developing a C-ITS framework and roadmap for execution based on international standards and technology to ensure the C-ITS framework is future-proof.

The logo for X4000 Communications, featuring the company name in a bold, blue, sans-serif font on a dark blue rectangular background.

X4000 Communications PTY LTD ABN: 22 635 660 730

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