



Department of Infrastructure, Transport Regional  
Development, Communications and the Arts  
GPO Box 594  
Canberra ACT 2601  
Australia

PLACE, DATE: Sydney, 02/02/2023

## Response to Draft Principles for a National Approach to C-ITS in Australia

Thank you for providing the opportunity to submit our response to the Draft Principles for a National Approach to C-ITS in Australia. We at Q-Free are thrilled to share the following points.

### Introduction

Q-Free commends the Department of Infrastructure, Transport, Regional Development, Communications and the Arts for introducing these draft principles for C-ITS in Australia and leading this significant effort. The principles emphasise a nationally consistent approach to deployment of C-ITS with a focus on safety, efficiency and sustainability – all of which are crucial values for Q-Free as well. As a global innovator of intelligent transport systems, Q-Free strives to enhance traffic flow, road safety and air quality by developing products and solutions based on innovative technology and open platforms.

### Comments

Q-Free would like to bring the following three areas to the Department's attention for further development and commitment:

1. **Security model.** The security model should have more detail and commitment. For instance, the European Commission has taken the lead with the EU security model in Europe. We recommend that the Federal Government in Australia take a similar leadership role and commit to a National security model with clear responsibilities. TMR has already taken steps in this direction, and other State Governments are looking to TMR for guidance. Ultimately, it should be the responsibility of the Federal Government to provide a nationally consistent approach to security.
2. **Infrastructure.** Currently, there is a lot of emphasis on vehicles and V2V. This is likely due to the learnings from TMR and CAVI. However, we should also focus on the infrastructure. The AIMES test bed is a great opportunity to see the benefits of integrating C-ITS into intersections. We suggest that Federal, State and local authorities include cooperative ITS when they upgrade or build new infrastructure. We would appreciate more commitment in this area, especially ensuring new



infrastructure supports C-ITS. This would allow all levels of government transport authorities to adopt C-ITS in their infrastructure and support use cases enabled by using SPaT and MAP messages.

3. **GPS.** Challenges with GPS needs to be addressed, and it should be a Federal responsibility to ensure the latest and most advanced technology is adopted and implemented. The national body could also positively influence positioning issues, such as GPS accuracy and mapping.

### **Conclusion**

Q-Free appreciates the Federal Government and the Department of Infrastructure, Transport, Regional Development, Communications and the Arts for initiating these principles and leading this important effort. We support the adoption of these principles and a national approach to C-ITS in Australia.

Q-Free also supports the principles of cooperation across all stakeholders and believes Australia should align with international standards, especially by looking to harmonise with European standards for C-ITS.

Please do not hesitate to contact us if you wish to discuss the matter. I can be reached via 0410788914 or [silje.troseth@q-free.com](mailto:silje.troseth@q-free.com).

Sincerely,

Silje Troseth  
General Manager  
Q-Free Australia Pty Ltd

### **About Q-Free:**

Q-Free ASA (OSE: QFR) is a global innovator in intelligent transportation systems that improve traffic flow, road safety, and air quality. With an open, collaborative approach to tolling, Cooperative ITS, traffic and active transportation management, Q-Free works with customers and partners on every continent to digitize infrastructure and overcome modern mobility challenges for the greater good of society. Headquartered in Trondheim, Norway, Q-Free has annual revenues of approximately NOK 900 million and employs approximately 350 transportation innovators, experts, and enthusiasts. To learn more about how Q-Free is "changing the movements of life", visit [www.q-free.com](http://www.q-free.com).