

5 October 2017

Harriet Gale
fyi-request-6306-373d2c6c@requests.fyi.org.nz

Dear Ms Gale

Local Government Official Information and Meetings Act 1987

CAS-561583-K4X5X8

We refer to your request for information dated 30 July 2017 requesting the following information in relation to ETCS Level 2.

Auckland Transport's response to your request for information is as follows:

1. Has any estimate been done on the potential cost of ETCSL2?

It is understood that the CRL team have undertaken preliminary cost investigations during their design reviews as an option if signal placement and sighting was too difficult and as a test for ultimate train capacity.

2. Where does AT intend to implement ETCSL2 on the network?

Level 2 is strictly controlled by the Euro standards which require data transmissions over a secure GSM network. In the Auckland context installing an expensive outdated communication system is somewhat problematic. It is understood that the European standards committee are reviewing the option of utilising alternative digital radio networks but this is likely to take time to complete.

Improving train service performance and capacity is not reliant on ETCSL2 .

3. What are the benefits are ETCSL2?

ETCS Level two can reduce or remove the need for lineside signals and can, in certain circumstances, improve network capacity.

In Auckland as the signals were all upgraded / replaced as part of electrification and so are in good condition, and as freight trains are not ETCS equipped signals are still required.

4. Are the CAF Class AM EMU's future proofed for ETCSL2?

Yes, space has been provided for in the equipment rack in the T-car for the communication equipment required to complete the upgrade.

We trust the above information has addressed the matters raised however, should you believe that we have not responded appropriately to your request, you have the right in accordance with section 27(3) of the LGOIMA to make a complaint to the Office of the Ombudsman to seek an investigation and review in regard to this matter.

If you have any further queries, please contact Auckland Transport on (09) 355 3553 during business hours, quoting Local Government Official Information request number CAS-561583-K4X5X8.

Yours sincerely



Lloyd Major
EMU Project Director