

CAN bus – Controller Area Network

From the Sensor *to* Digital *to* CAN-Bus *to* Radio Waves

Due to the vast improvements in technology that the Mining, Agricultural and Trucking industries have experienced, the need to fully understand and confidently work with the J-1939 CAN-Bus protocol has become of greater importance.

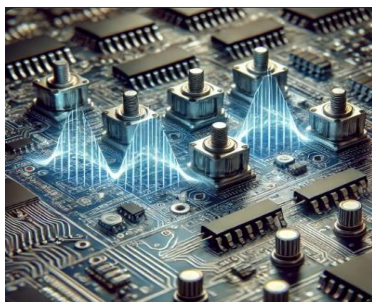
Our two-day course is designed to give technicians and 3rd - 4th year apprentices the capacity to understand each of the steps that take place to change a voltage from a sensor to a digital signal, then to CAN-Bus, and then transferred into radio waves.

Starting with the sensor, we will follow the processes used to transfer the voltage into a digital signal. We will then look at each of the steps that take place to transfer this digital code into a CAN-bus signal. This will be used to manually provide a means of broadcasting the code onto a physical platform using nodes and a board where the wiring circuit and resistors are mounted.

Each of the learners will be able to broadcast and receive the codes through the various stages when required, through the projects contained within their workbooks.

We will then look at the processes that take place to be able to transfer a digital code into a radio wave. With GPS and Wi-fi communication entrenched in all machinery, it is important for the learners to understand this process.

A Pre and Post assessment will be used to measure the learner's knowledge before and after the training and a Certificate of Participation will be issued.



Courses will run with 8-10 learners over two weekdays, from 8.30-4.30pm each day.

Cost: \$650 per person, morning tea and lunch provided.

Location: 1/117 Dundas Road, High Wycombe, WA, 6057 (please see attached parking instructions).

What to bring: Re-usable water bottle (filtered water available), workshop uniform and footwear.

Phone (08) 6168 7989 or email bookings@assuredlearning.com.au to find out the dates and secure a spot.

