

# CANalyzer/CANoe.CANaerospace, Version 6.2

## Extension for CANaerospace Users

CANaerospace was developed by Stock Microcomputersysteme, a company that is active in the area of aerospace technology. The protocol takes into consideration the following special requirements of aerospace travel technology: safety, certification capability, simple application, and openness with regard to user-defined message types.

It has already been implemented by the following:

- > Fairchild-Dornier 728JET engineering simulator
- > SOFIA (Stratospheric Observatory For Infrared Astronomy)
- > AWRH (All-Weather Rescue Helicopter)
- > AFMS (Advanced Flight Management System)
- > Eurofighter and TIGER simulation cockpits
- > IBIS Aerospace Ae270
- > Airbus A380 test systems and door demonstrator

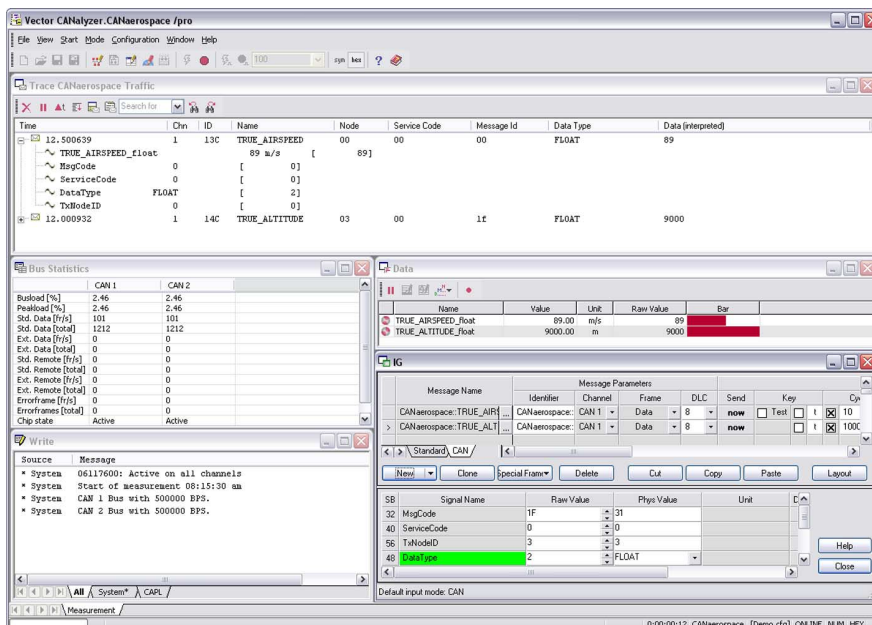
### Features and Advantages

In addition to the CANalyzer's and CANoe's high-performance functionality, the CANaerospace extension gives the user a tool that can be used for initial development to production of the CANaerospace project. The CANaerospace-specific extensions allow the user to concentrate on the actual tasks of data analysis, without detailed knowledge of the CANaerospace protocol. This significantly increases the efficiency of data analysis. Misinterpretations of CAN frames are avoided as well.

### Functions

CANalyzer/CANoe.CANaerospace expands the standard functionality of CANalyzer and CANoe with:

- > Symbolic object-oriented communication monitoring through interpretation of the various message formats in a Trace Window.
- > Emergency event data is displayed with error code, operation ID, and location ID.
- > Node service data is distinguished according to services such as identification, node synchronization, download, and upload.
- > For normal operation data, the extension contains a database with all messages of the CANaerospace specification. Application-specific data can be stored in this database. All data can be assigned symbolically to names.
- > The data and statistics windows of CANalyzer and CANoe are also available for analysis of CANaerospace data traffic.
- > The programming language CAPL (Communication Access Programming Language) allows for direct symbolic access to data and services of the protocol. CAPL can thus be used to emulate CANaerospace stations very simply.
- > The integrated Generator Block creates messages on the user level. It is possible to specify CANaerospace services and the associated parameters application specifically.



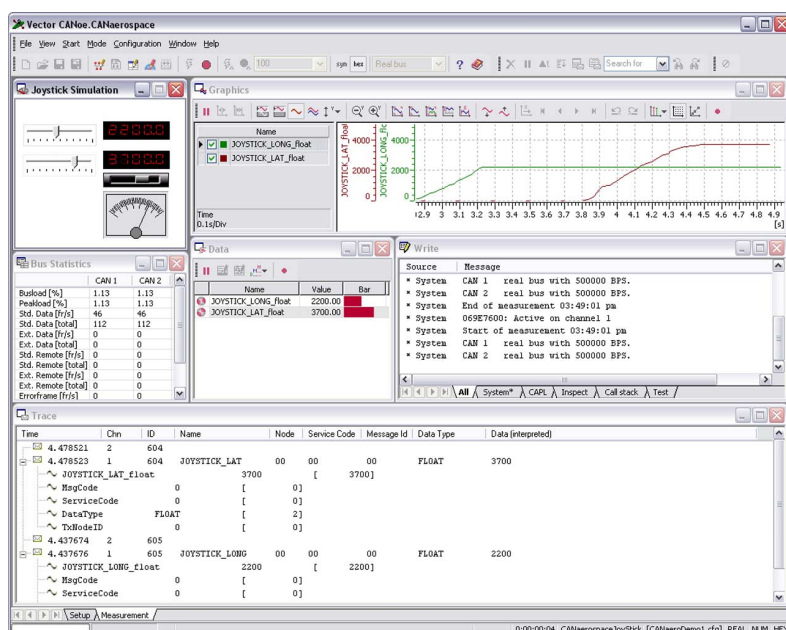
The functional extension enables CANaerospace-specific interpretation of data in the Trace Window. The Interactive Generator Block is extended with special CANaerospace functions.

### Application Areas

The primary application area in the development of CANaerospace systems is communication monitoring and debugging. Additional areas include rapid prototyping, diagnostics, testing, and service.

### Hardware Interfaces

The CANaerospace extension works with all hardware interfaces that CANalyzer and CANoe supports.



**Simulation of a joystick with CANoe.CANaerospace. Besides delivering pure analysis, the product also supports CANaerospace-specific data with controls and panels.**