BUSMASTER – FlexRay Add-On

❖ Introduction

BUSMASTER Add-On for FlexRay can be used to monitor, analyse and simulate FlexRay bus

❖ Features Supported

- Hardware Support
  - ETAS BOA (ES595, ES583)
  - Vector XL (VN3600, VN7600, VN8900)
- Channel Configuration
- Controller Configuration
- Transmission of Messages
- Monitoring Messages
- Network Statistics
- Filters
- Logging
- Signal watch
- Node Simulation

❖ Installation

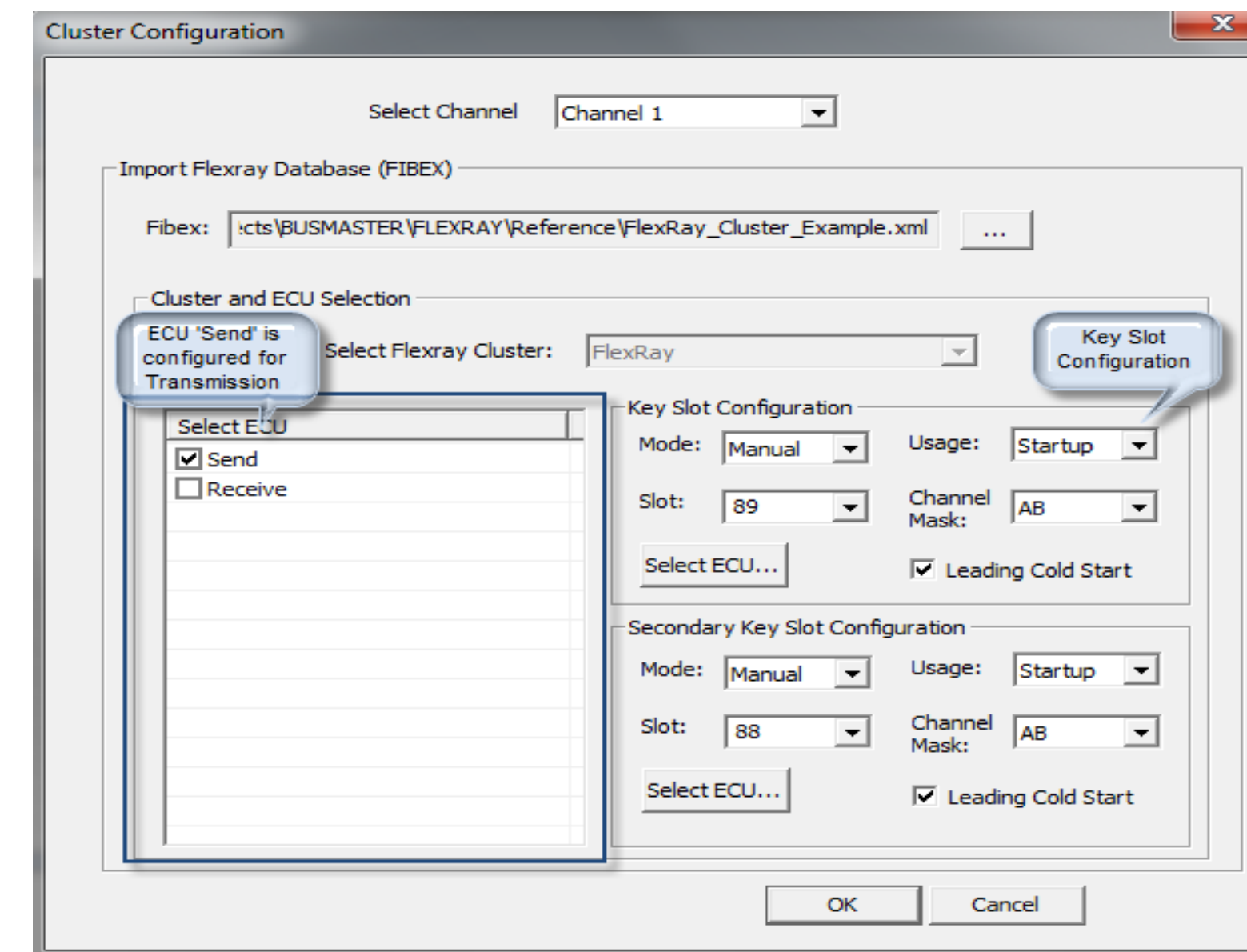FlexRay support in BusMaster is available as a Commercial Add-On

FlexRay Add-On v1.1.0 works on top of open source v3.2.1

For further details, please contact E-mail: BUSMASTER@in.bosch.com
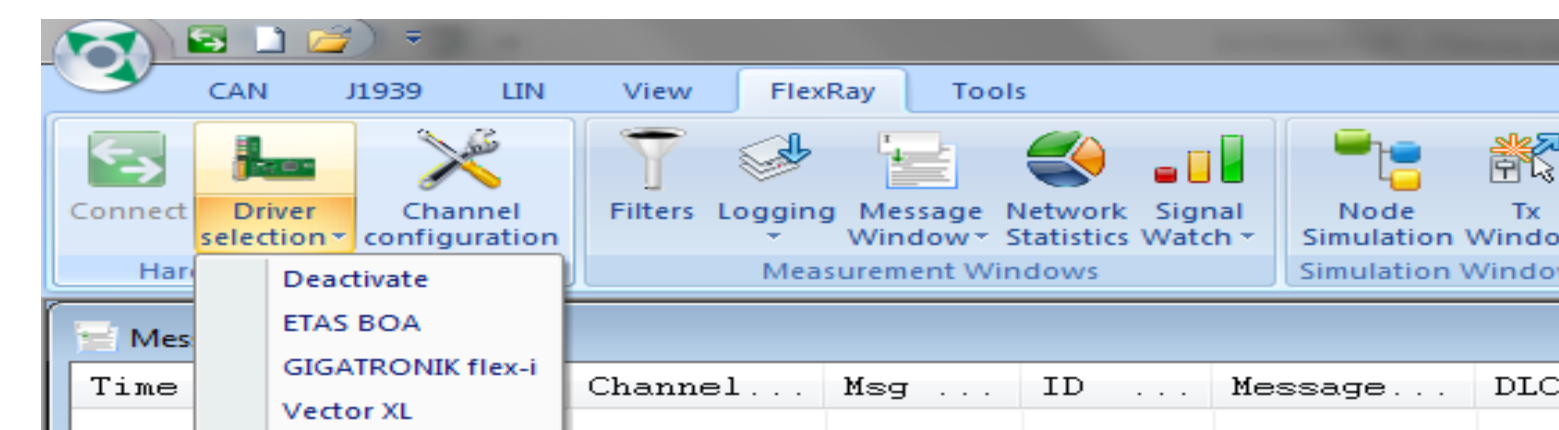

❖ Channel Configuration

Cluster configuration is used to associate FIBEX file to a FlexRay channel

❖ Controller Configuration

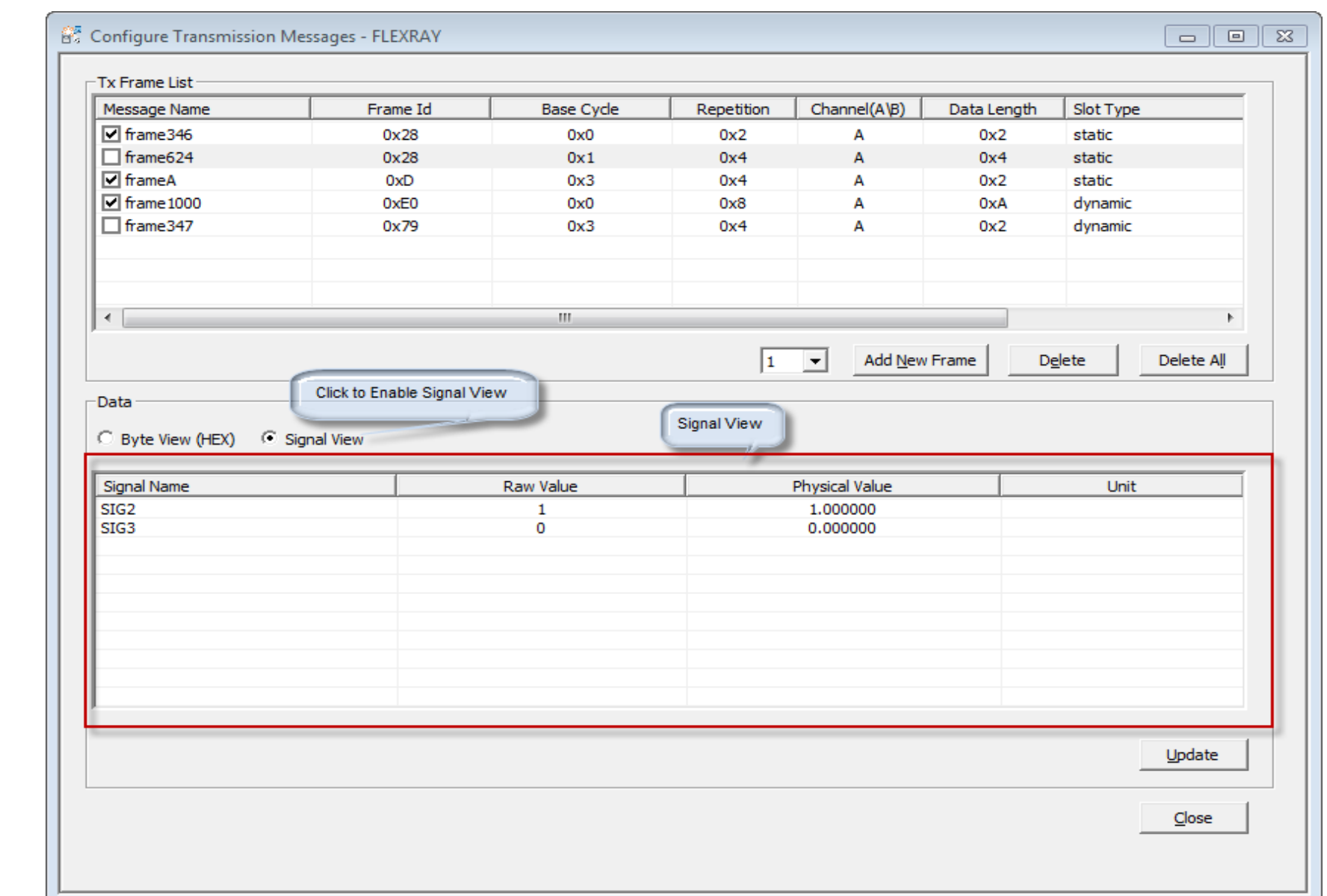BUSMASTER can be connected to FlexRay physical channel using FlexRay Controller

- ETAS and Vector FlexRay controllers are supported

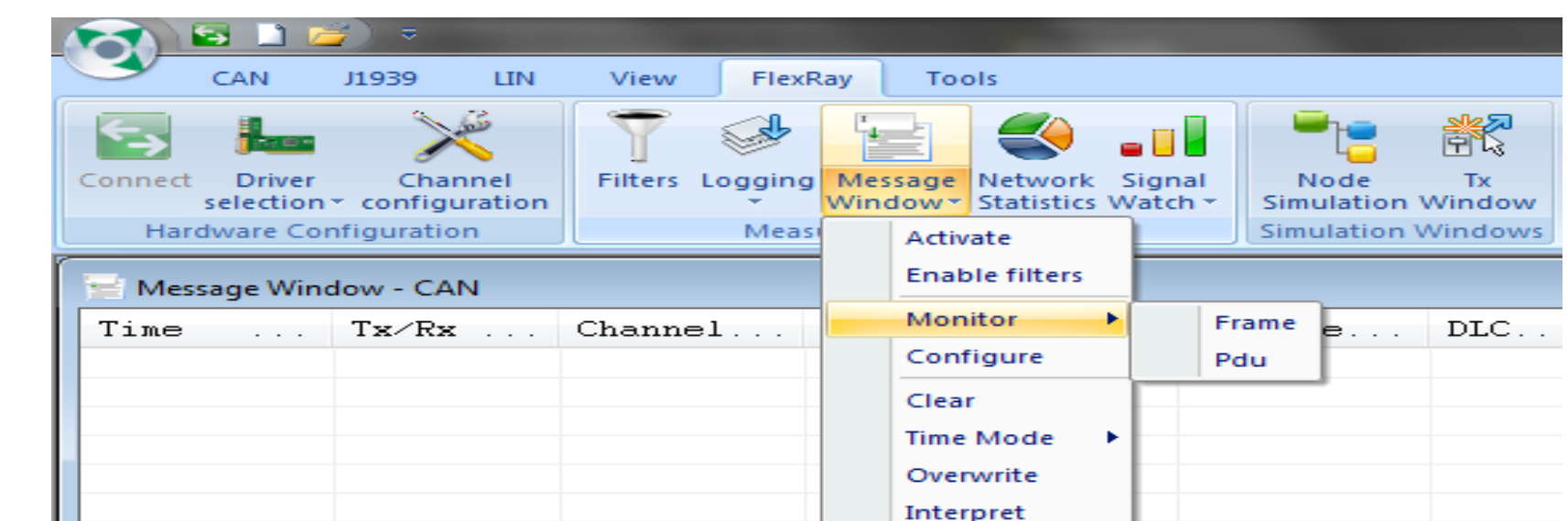
❖ Transmission of Messages

Configure FlexRay messages for transmission

❖ Monitoring Messages

On-line FlexRay Network Monitoring can be done using FlexRay Message window

- Frame Monitoring
- PDU Monitoring
- Frame and PDU Monitoring

BUSMASTER © - FlexRay Features

❖ Frame Monitoring

❖ PDU Monitoring

❖ Frame and PDU Monitoring

BUSMASTER © - FlexRay Features

❖ Network Statistics

Displays FlexRay bus statistics like number of frames, PDU's

transmitted and received, error frames, static segment load etc.,

❖ Filters

Configure Stop or Pass filters for FlexRay Frame's/PDU's

❖ Logging

Configure log files to log FlexRay Frame's/PDU's transmitted or

received on the FlexRay bus

BUSMASTER © - FlexRay Features

❖ Signal Watch

Analyze selected signal's Raw and Physical values

❖ Node Simulation

FlexRay Node functionality can be simulated with following handlers

- Bus Events
- Message Handlers
- PDU Handlers
- POC Handlers
- Start Cycle Handlers
- Timer Handlers
- Key Handlers
- DLL Handlers