PROVA SYSTEMS

OBD-2 Developer's Toolkit and API

Prova's OBD-2 Developer's Toolkit opens up the data captured by Prova's OBD-2 Vehicle Health Monitors (VHMs) to third-party fleet management applications to enhance the management sophistication of those applications.

The toolkit shows developers how to address Prova's wireless VHMs and use that information to update vehicle usage records, manage vehicle maintenance schedules, track driver behavior, monitor fuel efficiency trends for the fleet and individual vehicles.

Developers who integrate Prova VHM data into their applications have the ability to re-sell Prova hardware solutions to their own customers as part of a complete package of fleet management tools.

Use the developer's toolkit to calculate maintenance schedules, track engine health and create condition based alerts

The toolkit allows developers to access VHM data monitors for:

- Vehicle emissions status

- Fuel usage and efficiency

- idling times

- Engine diagnostics and DTC codes

- Real-time clock event registers

- Trip records (distance, time, mileage)

- Driver behavior monitors

- Average speed and max speed

- Records day, date and time-of-day usage
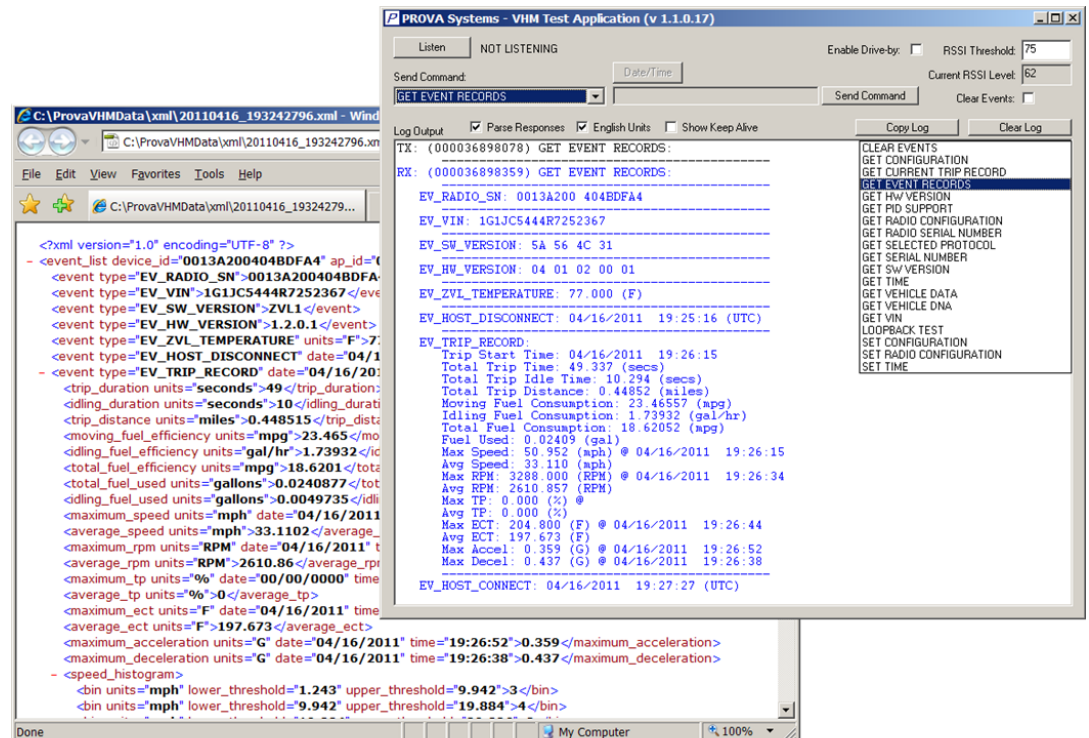
- VHM device removal alerts

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SPECIFICATIONS

- Power Requirements:
  --12VDC @ 3.7mA typ
  (Idle - Quiescient
  Sleep)
  12VDC @ 27mA avg
  typ (OBD Active -
  Logging)[1]

- Wireless: IEEE
  802.15.4 Compliant :
  2.4GHz : 250Kb/s
  Raw
  60mW Transmit
  Power : 12 Channel :
  2dBi Chip Antenna

- User Interface: Power/
  Status LED -> Red/
  Yel/Grn
  Buzzer -> Electro-
  Mech : 78dBA : 4KHz
  nom

- Environmental: -25C
  to +70C temp ambient
  20% to 90% RH, Non-
  Condensing

- Firmware Upgrade
  Support: flashable
  program memory

- Enclosure: ABS plas-
  tic

- Enclosure dimen-
  sions: 1.8"W x 1.2"H x
  1.4"D

- Weight: 1.3 oz

DEVELOPER'S TOOLKIT INCLUDES:

- 2 Prova Wireless OBD-2 Vehicle Health Monitors (VHM) which can be plugged into developer test vehicles or test equipment to generate vehicle performance data for inclusion in the application.

- Prova Wireless USB Access Point for communicating with the VHMs and collecting data from the devices. Plugs into a standard PC USB port.

- Prova VHM Fleet Manager application

- Prova Test application

- API documentation

- Prova proprietary data format to XML converter

- Optional drive-by Prova Access Point is not included but is available separately.

Prova wireless VHMs and USB Access Point

Prova Systems Developer's Toolkit Test Application and XML views

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