Request for Proposals: Vehicle GPS Solution

# Addendum No. 1

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| **Project Name:** | Vehicle GPS Solution | **Project No.:** | RFP# 15-16-35 |
| **Prepared By:** | Denisha Harris | **Date:** | May 23, 2016 |

## Clarification

**Please note the following clarifications:**

**Questions/Clarification:**

1. Please clarify with the customer the total number of smart phones vs. tablets.

   20 Smartphone applications needed

2. How many vehicles with year make and model?

   All of the vehicles that we will install the GPS solution on are Ford products. We are looking for a total of 90 units for 90 vehicles.

3. How will the mobile users be utilizing these in the field? Is it to view the fleet that is being tracked? What is the intent by "Mobile Management" in 3.1 E of the RFP.

   The mobile app will be used for those officers who are in more tactical positions, such as, ERT (SWAT), Warrant Officers, TAC Unit, Gang Unit, Gun Violence Unit, etc. These officers are typically out of their vehicles and are often placed in dangerous situations that can span outside of our city. Being able to track their person is a high priority for us because of the nature of their positions.

4. 3.1 t & 3.3 Installation times are conflicting, please verify installation time should be 30-45 mins per unit.

   30-45 minutes

5. 3.1u Equipment cannot be accessible by the vehicle user? What does this mean? The unit should be hidden?

   We would like a solution other than the OBD2 port connector i.e. a device that can be hard wired into the vehicle so that the officer cannot tamper with the GPS. We don't want them to be able to unplug their vehicle's GPS.

6. 3.3 The device needs to be able to work with the vehicle's Fuel Ring System—Need further clarification on how this would work? What is the fuel ring system?

   Please see the following link and PDF document that would explain the device in detail. http://www.assetworks.com/fleet/fuelfocus/ Also see PDF attached.

AssetWORKS

# **FuelFocus** Radio Frequency Vehicle ID (RFID) Box

The RF Vehicle ID Box is a vehicle mounted microprocessor that authorizes the use of the fuel dispenser. The RF Vehicle ID Box removes the human input element from a fuel transaction by automatically transmitting the vehicle ID number, odometer, and hour meter to the FuelFocus™ Controller – virtually eliminating all errors in data. A completed transaction will have: day, date, time, vehicle ID number, odometer reading, hour reading, gallons of fuel received, location and pump # and optionally employee ID. When used in conjunction with the FuelFocus Mobile Controller, you can also have a GPS location of the vehicle's coordinates when fueled.

The RF Vehicle ID Box is a weatherproof unit that can be configured to count pulses on older model vehicles, or to obtain all the pertinent meter readings and diagnostic data directly from the engine computer. The FuelFocus RF Vehicle ID Box supports J1708 and J1939 for heavy duty equipment and J2284 (OBDII) for light duty vehicles.

Four types of RF Vehicle ID Boxes are currently available. Each RF Vehicle ID Box type supports up to two fuel inlet antenna rings for saddle tank applications. The RF Vehicle ID Box is powered by the vehicle's battery and is initially configured by programming data into the units' non volatile memory. All FuelFocus RF Vehicle ID Boxes also utilize flash technology for memory and upgrade capabilities for the future. See the chart below for a representative listing of data which can be captured from the engine computer. Please consult with your AssetWorks representative for a complete listing of diagnostic data available.

FuelFocus™

**FuelFocus RF Vehicle ID Box, Antenna Cable and Antenna Mast**

| RF Vehicle ID TYPE | OBDII | J1939 | J1708 | Pulse |
|---|---|---|---|---|
| Odometer | ⚙ | ⚙ | ⚙ | ⚙ |
| Engine Hours | ⚙ | ⚙ | ⚙ | ⚙ |
| Fault Codes | ⚙ | ⚙ | ⚙ | |
| Minimum Charging Voltage | ⚙ | ⚙ | | |
| Minimum Engine Oil Pressure | | ⚙ | | |
| Maximum Engine RPM | ⚙ | ⚙ | | |
| Maximum Engine Speed | ⚙ | ⚙ | | |
| Engine Oil Level | | ⚙ | | |
| PTO Time | | ⚙ | | |
| Maximum Engine Temp | ⚙ | ⚙ | | |
| Stop Idle Time | ⚙ | ⚙ | | |
| Fuel Level | ⚙ | | | |

# **FuelFocus** Radio Frequency Vehicle ID (RFID) Box

## Specifications

**Mechanical**

- **Dimensions:** 5.48" x 2.64" x 2"
- **Antenna Length:** 7"
- **Antenna cable Length:** 60"
- **Weight:** 0.94 lb

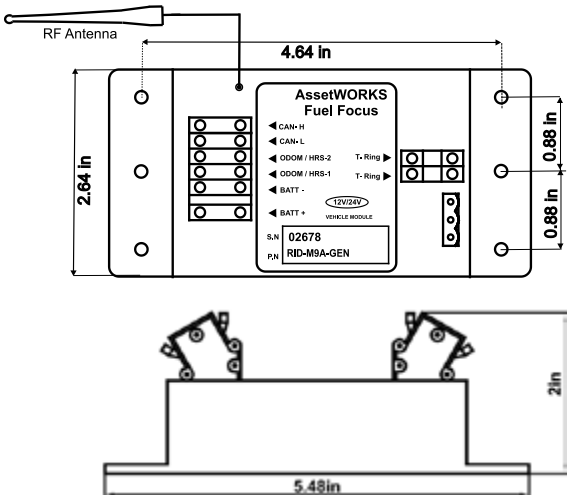
**Environmental & Standards**

- **Operation Temperature:** -50ºF to +130ºF
- **FCC approved**

**Electrical**

- **Power supply:** 12VDC or 24VDC, 52mA
- **Inputs:** Power, Odometer, V-Coil, Embedded ID
- **Transmitting output power:** 0.06 Watt
- **Transmitting frequency range:** 914-928 MHz
- **Frequency Modulation:** Spread spectrum
- **J1939 , J2284 & FORD Serial interface to vehicle computer enables:**
  - Odometer reading
  - Engine hours reading
  - Maintenance diagnostics (optional)

| Description | Part Number |
|---|---|
| RF Vehicle ID Box - Pulse | RID-M9A-PUL |
| RF Vehicle ID Box - J1708 | RID-M9A-J17 |
| RF Vehicle ID Box WAF Canbus Dual Input No PID | RID-M9A-GEN |




**RF Vehicle ID Box Schematic**

For more information, contact an AssetWorks representative today at 610.687.9202 or visit us online at **www.assetworks.com**



AssetWORKS
998 Old Eagle School Road, Suite 1215 | Wayne, PA 19087