

Flexdrive Maintenance API Specification

10/28/2015

Project Overview:

Provide a JSON based web services API for Flexdrive and Fleet Response to transmit vehicle inventory and vehicle maintenance activity data between one another. Exact method specifications and URL endpoints will be developed as the project progresses. This document will outline the basic methods and data requirements.

Vehicle Inventory:

Fleet Response will provide an Inbound web service to accept posts from Flexdrive to receive vehicle inventory data. The service will be listening to receive posts from Flexdrive continuously. The web service will expect the following data elements:

- Posting Datetime
- Unit ID
- VIN
- Vehicle Year
- Vehicle Make
- Vehicle Model
- Status ['active' or 'inactive']

Maintenance Activity:

Fleet Response will provide an Outbound web service to respond to requests from Flexdrive to send vehicle maintenance data. The service will be listening for requests from Flexdrive continuously. The web service will expect the following data elements:

- Posting Datetime
- Unit ID [unit id or 'fleet']

The response from Fleet Response will include the following data elements for all service records for that vehicle or for the entire fleet depending on the value passed in the Unit ID indicator (potentially as a JSON array):

- Posting Datetime
- Unit ID
- Service Date
- Shop Name
- Service Description
- Vehicle Mileage
- Invoice Total