Vehicle Settings

Module Guide: Vehicle Settings

Module Location

Settings > Delivery > Vehicle Settings

Module Purpose

The **Vehicle Settings** module serves as master data to register and manage all vehicle assets used for delivery operations. Its main goal is to create a comprehensive fleet database, including both internal company-owned vehicles and rental vehicles, complete with capacity specifications and driver details.

1. Main View (Vehicle List)

The main page displays all vehicles registered in the system, providing an overview of the available fleet.

View Explanation

- **Filter**: Allows quick searching based on **Registration Number** and **Vehicle Type** (All, Internal, Rental).
- **Vehicle List Table**:
  - **Registration Number**: The license plate or unique vehicle identifier.
  - **Description**: A brief description of the vehicle (e.g., container type, brand).

    - **Type**: Indicates ownership status, either **Internal** (company-owned) or **Rental**.

- **Action Buttons**:
    - **Add**: Opens the form to register a new vehicle.
    - **Delete**: Deletes the selected vehicle data.
    - **Add OFIDAS**: A specific function, likely for integration with another system.
    - **View Parcel Installation**: A specific function, possibly to view shipping history or status.

2. Add Vehicle Page

This form is used to enter detailed data for each new vehicle into the system.

View Explanation

- **Vehicle Type**: Choice between **Rental** or **Internal**.
- **Vehicle License Plate Number**: The official registration number of the vehicle.
- **Description**: Additional information about the vehicle.
- **Vehicle Capacity**:
    - **Weight**: Maximum carrying capacity in kg.

- **Dimensions**: Maximum volume capacity in m^3.
- **Weight Tolerance** and **Dimension Tolerance**: Overload tolerance limits in %. This is important for loading flexibility.

- **Assignment**:
  - **Driver**: A dropdown to assign a specific driver to the vehicle.
  - **Image**: An option to upload a photo of the vehicle.

3. Steps to Add a Vehicle

1. Ensure driver data is available in the master employee/driver data.
2. From the main page, click the **Add** button.
3. Choose the **Vehicle Type** (Internal or Rental).
4. Fill in all vehicle details, especially the **License Plate Number** and capacity specifications (**Weight**, **Dimensions**, and **Tolerances**).
5. Select the **Driver** from the available list.
6. Click **Save** or **Save and add another** to continue inputting data.

4. Integrated Workflow & Business Process

- **Delivery Planning**: This module is the core of delivery planning. When the logistics division creates a Delivery Order or Shipping Plan, they will select a vehicle from the list available here.

- **Load Optimization**: The system can use the **weight** and **dimension** capacity data to help planners choose the most efficient vehicle for a route or order. The system can provide alerts if the total weight or volume of goods exceeds the selected vehicle's capacity.

- **Tracking and Assignment**: By linking **Drivers** to **Vehicles**, management can easily know who is responsible for each delivery. This data can also be integrated with GPS tracking systems.

- **Operational Cost Analysis**: By differentiating between **Internal** and **Rental** vehicles, the finance department can analyze and compare the operational costs of the company's own fleet versus the rental costs from third parties.

5. Tips & Important Notes

- Ensure the capacity data for **Weight** and **Dimensions** is filled in accurately, as this will be the basis for planning algorithms and load optimization.

- **Tolerance** is an important feature that provides flexibility but must be established according to company policies and safety regulations.

- Always update the vehicle status and driver assignments to ensure real-time and accurate operational data.

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