

Rayon Settings

Module Guide: Rayon Settings

Module Location

Settings > Delivery > Rayon Settings

Module Purpose

The **Rayon Settings** module serves as master data to define all geographic areas, regions, or zones that are delivery destinations. Its main purpose is to create a standard list of delivery locations (both domestic and international, such as cities, ports, or countries) that will be used throughout the system to standardize route planning, time estimation, and logistics cost analysis.

1. Main View (Area Settings)

The main page displays all rayons or delivery regions that have been registered, providing a comprehensive view of the distribution operational coverage.

View Explanation

- **Filter:** Allows for a quick search based on **Area Code**.
- **Area List Table:**
 - **Area Code Number:** A unique code representing a region (e.g., country codes such as "AE" for United Arab Emirates or "AU" for Australia).

- **Area Name:** The specific name of the location (e.g., "Dubai," "Sydney," "KHALIFA PORT").
- **Description:** Additional information or remarks about the region.
- **Action Buttons:**
 - **Add:** Opens the form to create a new rayon.
 - **Delete:** Deletes the selected rayon.

2. Add Area Page

This form is used to enter details for a new delivery area or rayon.

View Explanation

- **Area Code:** A unique code for the new region.
- **Area Name:** A clear name for the destination region or city.
- **Description:** An area to provide additional notes.
- **Travel Time:** The estimated delivery duration to this region, which can be set in units of **Days** or **Hours**. This is a crucial data point for planning.

3. Steps to Add a Rayon

1. From the main page, click the **Add** button.

2. Enter a standard and unique **Area Code**.
3. Clearly fill in the **Area Name**.
4. Specify the estimated **Travel Time** to the location, along with its unit (Days/Hours).
5. Click **Save** or **Save and Add Another** to continue inputting data.

4. Integrated Workflow & Business Process

- **Sales and Order Entry:** When the sales team creates an order, they will select the customer's address. This address can then be mapped to the appropriate Rayon from this master data to determine the initial delivery time estimate.
- **Delivery and Logistics Planning:** The **Travel Time** data entered here becomes the main basis for the logistics department to create delivery schedules. This helps in calculating the **Estimated Time of Arrival (ETA)** and planning daily routes.
- **Route Optimization:** By grouping several delivery destinations based on nearby rayons, the system can assist logistics planners in creating the most efficient delivery routes, saving time and fuel costs.
- **Delivery Cost Analysis:** Rayon data can be used to analyze delivery costs per region, assisting management in making decisions related to freight pricing strategies or distribution efficiency.

5. Tips & Important Notes

- Use widely recognized standard codes for **Area Codes** (e.g., ISO country codes or IATA city codes) to ensure consistency and ease of integration with other systems.
- **Travel Time** data should be periodically evaluated and updated based on actual historical delivery data to maintain estimation accuracy.
- The management of this module should ideally be carried out by the Logistics or Supply Chain Management teams to ensure all area data is accurate and relevant to company operations.

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