**MENTOR MEDIA LTD**

**A close up of a sign

Description automatically generated**

**Freight Rates (FR)**

**Entity Relationship Diagram**

**IMPORTANT**

This information contain herein is the proprietary property of Mentor Media Ltd.

The holder agrees to the following:

1. Not to reproduce or copy it;
2. Not to reveal or publish it in whole or part;and
3. To maintain this document in confidence Framework & Standards

RELEASE HISTORY

|  |  |  |
| --- | --- | --- |
| Release No | Content | Effective Date |
| 1 | Create basic modules | 10 rd May 2021 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Prepared by | Thanh Trinh | Date | Sign |
| Designation | System Developer |
| Reviewed By |  | Date | Sign |
| Designation |  |
| Approved By |  | Date | Sign |
| Designation |  |
| Document No | Total no of the Pages (Excluding the cover page) : | | Release 1 |

Table of Contents

[1. Database & Coding Standardization 4](#_Toc72131874)

[1.1 View & Stored Procedure Naming Convention 4](#_Toc72131875)

[1.2 View & Stored Procedure Revision Comment Format 4](#_Toc72131876)

[1.3 Standard Message 5](#_Toc72131877)

[2. Master Zone 6](#_Toc72131878)

[2.1 MS\_PROVIDER 6](#_Toc72131879)

[2.2 TR\_COUNTRY\_ZONE 7](#_Toc72131880)

[2.3 TR\_COUNTRY\_ZONE\_CHART 7](#_Toc72131881)

[2.4 TR\_PROVIDER\_ZONE 7](#_Toc72131882)

[2.5 REF\_COUNTRY 7](#_Toc72131883)

[3. Price Zone 8](#_Toc72131884)

[3.1 REF\_SERVICE\_TYPE 8](#_Toc72131885)

[3.2 TR\_PROVIDER\_SERVICE 8](#_Toc72131886)

[3.3 TR\_PROVIDER\_ZONE 9](#_Toc72131887)

[3.4 TR\_TABLE\_ONE\_RATE 9](#_Toc72131888)

[3.5 TR\_TABLE\_MULTIPLE\_RATE 9](#_Toc72131889)

[3.6 MS\_PROVIDER 9](#_Toc72131890)

[4. Other tables 10](#_Toc72131891)

[REF\_ACTIVITY 10](#_Toc72131892)

[REF\_COUNTRY 10](#_Toc72131893)

[REF\_AREA 10](#_Toc72131894)

[MS\_CONFIGURATION 10](#_Toc72131895)

# 1. Database & Coding Standardization

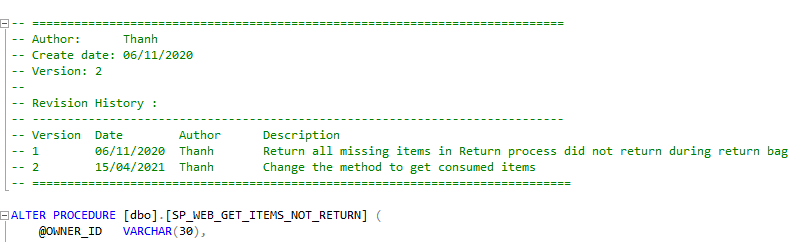
## 1.1 View & Stored Procedure Naming Convention

The name of view and stored procedure must follow as below:

|  |  |
| --- | --- |
| View Naming | Remarks |
| SV\_REF\_XXX | Base view for reference |
| SV\_MS\_XXX | Base view for master |
| SV\_TR\_XXX | Base view for transaction table |
| SV\_XXX | View to be use in module |
| RV\_XXX | View for report |

|  |  |
| --- | --- |
| Procedure Naming | Remarks |
| SP\_WEB\_[tablename] | Procedure for insert/update/delete purpose |
| SP\_WEB\_[tablename]\_GET\_XXX | Procedure for select purpose |
| RP\_WEB\_XXX | Procedure for report |
| FN\_XXXX | Function for getting value |

## 1.2 View & Stored Procedure Revision Comment Format

* Every view and stored procedure must include the standard format below on the above  
  of the view/stored procedure name.
* Every change on the view/stored procedure must add a new version with edited date,  
  author name and the change description under revision history.
* The latest version must be updated at every change.

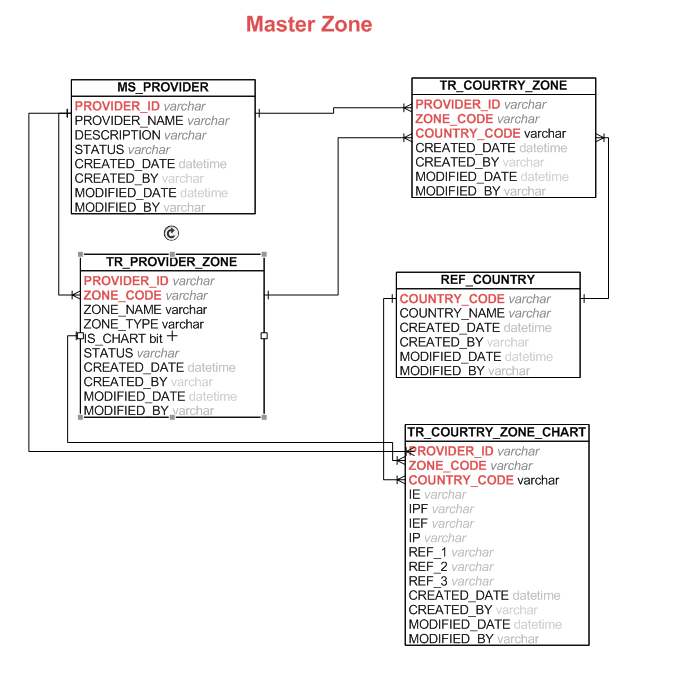
The latest version of this

view/store procedure

## 1.3 Standard Message

|  |  |  |
| --- | --- | --- |
| Module Name | Scenario | Message |
| General | No record found | No record found for %. |
| General | Mandatory field | This field is required. |
| General | Duplicated record | Duplicate record found for %. |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 2. Master Zone

****

**2.1 MS\_PROVIDER**

This table keep every provider in the system

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| PROVIDER\_NAME | The name of the provider |
| STATUS | ACTIVE or OBS. The value refers to REF\_STATUS\_TYPE table with type PROVIDER\_STATUS. Default value is ACTIVE |

**2.2 TR\_COUNTRY\_ZONE**

This table keep a list of countries in a zone base on the provider

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of the zone |
| COUNTRY\_CODE | The code of the country |

**2.3 TR\_COUNTRY\_ZONE\_CHART**

This table keep a list of chart character for FedEx provider

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of zone |
| COUNTRY\_CODE | The code of country |
| ***IE*** | ***Used for FedEx provider*** |
| ***IP*** | ***Used for FedEx provider*** |
| ***IPF*** | ***Used for FedEx provider*** |
| ***IEF*** | ***Used for FedEx provider*** |

**2.4 TR\_PROVIDER\_ZONE**

This table keep a list of zone base on the provider

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of zone |
| ZONE\_NAME | The name of zone |
| ZONE\_TYPE | The type of zone. |
| IS\_CHART | 0 or 1. If the value is 1 so this meaning the zone has a table chart which need to enter by user. Default value is 0. |

**2.5 REF\_COUNTRY**

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| COUNTRY\_CODE | The code of country |
| COUNTRY\_NAME | The name of country |

# 3. Price Zone

## 3.1 REF\_SERVICE\_TYPE

This table keep a list of service type in the system

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| SERVICE\_ID | The id of the service |
| SERVICE\_NAME | The name of the service |

## 3.2 TR\_PROVIDER\_SERVICE

This table keep all list of service of all providers in the system.

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of provider. |
| SERVICE\_CODE | The code of the service. |
| SERVICE\_NAME | The name of the service. |
| SERVICE\_TYPE\_ID | Type of the service. |
| SERVICE\_ORDER | The order of service. |
| STATUS | This Status of the service. It has Y/N value. Default value is Y |

## 3.3 TR\_PROVIDER\_ZONE

This table keep a list of zone base on the provider

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of zone |
| ZONE\_NAME | The name of zone |
| ZONE\_TYPE | The type of zone. |
| IS\_CHART | 0 or 1. If the value is 1 so this meaning the zone has a table chart which need to enter by user. Default value is 0. |

## 3.4 TR\_TABLE\_ONE\_RATE

This table keep a list of price of the provider base on the weight

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of zone |
| SERVICE\_TYPE\_ID | Type of the service. It reference from **REF\_SERVICE\_TYPE** table |
| KG | The weight of product |
| PRICE | The price is based on the weight |

## 3.5 TR\_TABLE\_MULTIPLE\_RATE

This table keep a list of price of the provider base on the range of weight

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| PROVIDER\_ID | The id of the provider |
| ZONE\_CODE | The code of zone |
| SERVICE\_TYPE\_ID | Type of the service. It reference from **REF\_SERVICE\_TYPE** table |
| FROM\_KG | The start value in a range weight of product. |
| TO\_KG | The end value in a range weight of product. |
| PRICE | The price is based on the range of weight |

## 3.6 MS\_PROVIDER

This table keep every provider in the system

# 4. Other tables

## REF\_ACTIVITY

This table is a reference table for ACTIVITY\_TYPE column in some table.

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| ACTIVITY\_TYPE | It is the code of the activity |
| DESCRIPTION | Describes the action needs to be taken by user/event |

## REF\_COUNTRY

This tables keep a full list of the countries and used for ZONE reference.

## REF\_AREA

This tables keep a list of area in the country and used for ZONE reference.

## MS\_CONFIGURATION

This tables a list of parameters value and used for the system .