**DOCUMENTATION FOR EAS PROJECT**

**Topics:**

* **First step of E- Contracting process**
* **VIN Pattern**
* **Environments**
* **View**
* **Second step of E-Contracting Process**
* **Template Load**

**First step of E- Contracting process**

Sample: One Protect Portal

purchase contract for product in portal

In One protect portal username denotes the dealer's name

**VIN- Vehicle Identification Number**

//if we enter vin, vin will be decoded. (Contains 10 digits only)

VIN Pattern: 1G1FB1RXM0

Steps for decoding VIN:

VIN – must be in 1O digits only

First remove last 6 digits in the 17 digits , leave the next two and then remove the next digit

Then We will get the VIN Pattern.

While dealer enter the VIN, it gives some information's about vehicle(like,model,year,make-manufacture)

under each model we have many trims

Contract sale - contract purchase date

ISD (In Service Date)- From which date the car was originally On-Road after purchase(started to use)

Odometer - What odometer the car has during the contract purchase

CPO - Certified-Pre-Owned Vehicle (buying seconded vehicle through agent- once he certified this vehicle is good for sale)

SKU - Stock Keeping Unit

Term - Number of Months

Parameters for SKU eligibility - Term From, Term To, Mileage, Deductible, Disappearing deductible(flag)---discount

SKU is managed by OEM (Original Equipment Manufacturer)

* Under single products we have many products plans
* sku eligibility- to check vehicle eligibility for the contract (vehicle condition, finance type, odometer)

**TABLES:**

1)Program

1)Product Type

2)Product Code

3)Product Plan

4)Product Plan SKU

5)SKU VSC Eligibility

* select \* from program -- Master table of all OEMs
* select \* from ref\_product\_type -- Reference table (product id is get from Ref\_Product table)
* select \* from ref\_product\_code -- Master table for all products under OEM
* select \* from product\_plan where program\_id=20333 --> List of plans under each product and OEM, Program + Product --> Different plans (Under Single product we have different plans)
* select \* from product\_plan\_sku where product\_plan\_id=49264 --> List of SKUs under a plan
* select \* from Sku\_VSC\_Eligibility where Product\_Plan\_Sku\_ID=79815

**SKU- Stock Keeping Unit**

Sku eligibility-product plan+from-to time, deductible(discount), mileage --- to check vehicle condition (all the eligibility conditions)

**Environments**:

1 Environment have many instances(example:DevAlpha,DevBeta,QA Alpha,QA beta,UAT)

**Splitting of contract**

* Parent Plan (PXD-Bundled Plan) -- > Child Plans (P, X, D)
* Bundled Contract (1 contract) (EAS System) --> Split Contracts (splitted into 3 contracts (CMS system))
* Product which offers bundled plan (coverage) --> Multi-Coverage Product
* PXD (parent plan) ------P + X + D(splitted (Child))
* Single Contract splitted into 3 (happen in CMS system)
* product type==product category

**Second step of E-contracting**

**Classing:**

Classing- (categorizing-- based on vehicles information))

Classing is based on make and vehicle type, make and year, make and model

(Example: YMOT- Yamaha Motorcycle)

1)Product classing method

Single product based on the make - can have many classing

**MC- MULTI COVERAGE (multiple Plans)**

Excluded- We can't sale the the item

SCTW---Tire and Wheel product

SCWD---Windshield product

**VIEW**--we can see the all the information about classing

1)Rate Method

\*Pricing Method

\*Combination of Rating Parameters

\*Parameters: -

based on classifications

based on odometer

term Odem (term means number of months & odometer)

term finaamt(term & finance amount)

2)Product Plan SKU Price Parameter

=combining Rate method + classing + odometer (based on the rate method parameters)

3)Product Plan SKU Price Version

version means updating/change

Maintaining the price changing level

4)Product Plan SKU Price Header

\*It is main Table -containing acting and expiry things

\*Combination of rating,paramrters

\*product\_plan\_sku\_price\_id is passed to header table

5)Product Plan SKU Price (SKU-Stock Keeping Unit)

SKU is first level check

with reference to the header table pic the active records from price table

6)Rate System

product can have multiple rate systems

It is not mandatory for all products

7)Rate System Application

It is dealer and rate system mapping

8)Rate System State Mapping

product rating is differ based on the states

Ref\_State\_Province --denotes the state names in table (example: TN for TamilNadu)

rate system mapped to different states

9)Dealer Product Code

Dealer and product code mapping: -

\*OEM decides which product code is under taken by which Dealer

\*Cross purchasing not applicable

10)Dealer Product Plan Exceptions

They will not be able to sell some of the plans under products

**Template load**

Types:

* EAS Rate (5 sheets- (load the data into actual database one or more than one table)
* CFC
* Dealer
* PPM(Pre Paid Maintenance)
* Product Exclusion
* Program Water Vehicle Class

[Sheets will be differ based on the templates]

1)Product plan code –it is first excel sheet of EAS Rate template

Product code table, Product plan table, Product plan sku tables are get data from this sheet.

(Single excel sheet data will be passed to more than than one table in database)

2)Client pricing sheet: all the rates will be managed

3)Classing(categorizing)

4)Rate System State (Price will be differ based on the states)

5)Rate System Mapping (1. Dealer and product Mapping, 2. Dealer and Rate Mapping)

**Golden copy**

[Template should not be differ from the output]

[Based on the template type it should take these data from database]

Parameters:

exec getSKUByProgram 20336,'APGI','07/15/2021' -- Product Plan SKU

exec getProgramVehicleClassing 20336,'APGI','07/15/2021' -- Classing

exec getEASRateByProgramOrDealer 20336,'APGI','07/15/2021' -- Client Pricing

exec getRateSystemMapping 20336,'APGI','07/15/2021' -- Rate System Mapping

exec getRateSystemStateAssociation 20336,'APGI','07/15/2021' -- Rate System State

**Surcharges:**

Surcharges and classing are not applicable for GAP products

Surcharges also decide by OEM.