Technical Design Document

Mitchell Score Card

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| Technical Design Document |

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# Mitchell Scorecard 2.0

**Version Control**

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| **SL No.** | **Version No.** | **Revision Date** | **Change Description** |
| 1 | v1.0 | 02/13/2018 | Initial Draft |
| 2 | v2.0 | 22/03/2018 | Updated the flow level flow diagram and process details |
| 3 | V3.0 |  |  |
| 4 | V4.0 |  |  |
| 5 | V5.0 |  |  |
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# Document Overview

The purpose of this document is to capture all the functional and non-functional requirements as part of the strategic requests, major enhancements and minor enhancements related to Mitchell Scorecard 2.0 implementation.

# Scope

The document covers the following

* Functional Requirements
* Non Functional Requirements

# Audience

The intended audience for the document are the individuals who have the responsibility for envisioning, modelling and structuring the data repository environment. The intended audience for this document are:

* Business Users
* Data Lead
* Database Administrator
* Developers
* Product Manager
* Product Owner
* Project Manager
* Technical Architect
* UX/UI Team

# Introduction

Mitchell currently has scorecard 1.0 solution only for carriers, which is embedded within the existing Mitchell WorkCenterTM  application. Shops do have the ability to monitor the individual performance within Connect. However it is just the WorkCenter TM scorecard page that is resurfaced within Connect. A carrier trying to set up a scorecard for shops would also want the shops to view their individual performance on carrier’s scorecard surfaced within Connect. While the current scorecard 1.0 does the right computation (and has majority of the data needs addressed), there is a strategic business need to create a flexible, easy to use, and highly intuitive scorecard application.

At the core the intention is to measure different key performance metrics, to compare that with relevant users within the hierarchy and to help provide feedback

The scorecard 2.0 users will include the Insurers, Multi Shop Operators (MSOs), Shops, Independent Appraisers (IAs) and OEMs. The sub-users belong to different hierarchies within an organisation - from a lowest hierarchy level users (staff estimators) to supervisors and executive leadership.

# What is a scorecard?

A scorecard is a strategic tool available with organizations to measure the health of key performance indicators (KPIs) that link back to overarching organization goals. It introduces a clear and simple methodology for reporting effectiveness and efficiency of staff and management performance, presented in accordance with strategic indicators and measures to evaluate relationships. KPIs establish key targets for managers of departments, branches, offices, business units and subsidiaries to work towards and help develop a fully trained, proactive, and motivated team that share the vision of the organization.

# How is a scorecard different from a dashboard?

|  |  |
| --- | --- |
| Scorecard | Dashboard |
| It focuses on strategic (long term) goals | It focuses on operational (short term) goals |
| Used for performance management | Used for performance measurement/monitoring |
| Measure is linked to business objectives | Measure is not linked to business objectives |
| It helps align KPIs, objectives, and actions to see the connection between them | It helps to visualize the performance to understand the current state |
| It is updated periodically | It is updated real-time |

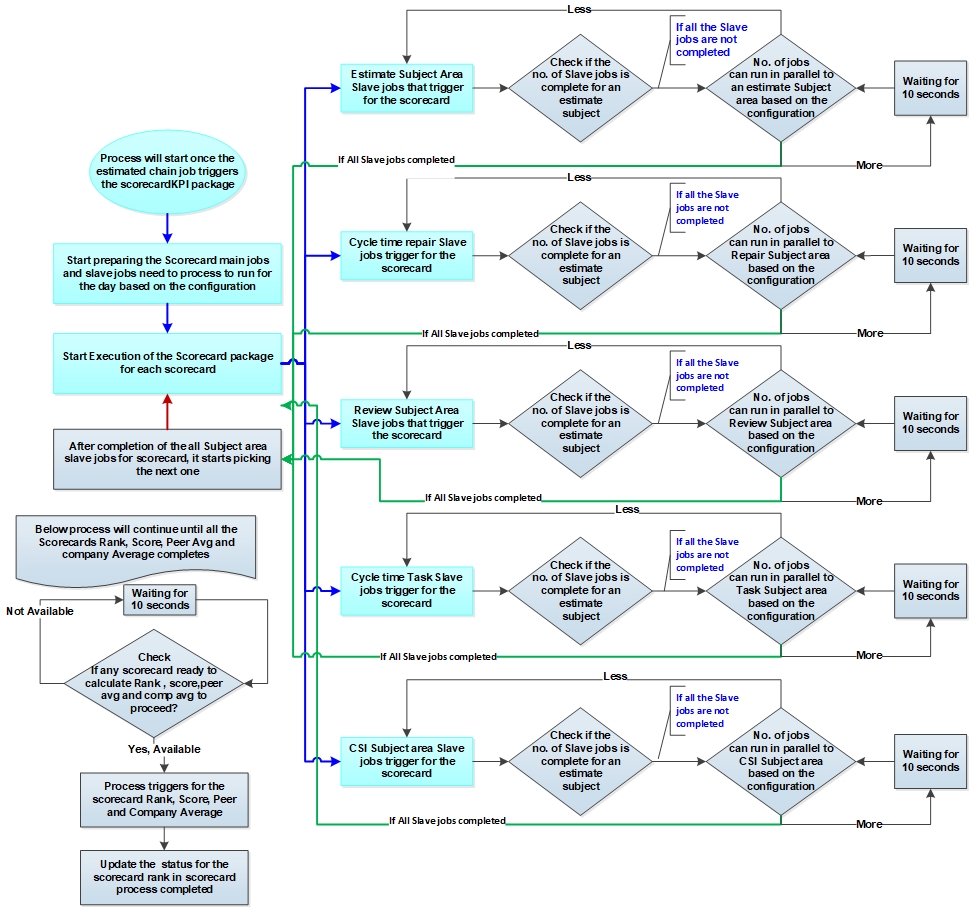
# Data Base Environment Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GMR** | | | | |
|  | **Dev. Environment** | **QA Environment** | **UAT Environment** | **Production Environment** |
| **Schema\_Name** | EDW | EDW | EDW | EDW |
| **Data\_Base\_Name** | DSSD.MITCHELL.COM | DSST.MITCHELL.COM | DSSU.MITCHELL.COM | DSSP.MITCHELL.COM |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CA** | | | | |
|  | **Dev. Environment** | **QA Environment** | **UAT Environment** | **Production Environment** |
| **Schema\_Name** | EDW | EDW | EDW | EDW |
| **Data\_Base\_Name** | DSSD.MITCHELL.COM | NA | CADSSU.MITCHELL.COM | CADSSP.MITCHELL.COM |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EU** | | | | |
|  | **Dev. Environment** | **QA Environment** | **UAT Environment** | **Production Environment** |
| **Schema\_Name** | EDW | EDW | EDW | EDW |
| **Data\_Base\_Name** | DSSD.MITCHELL.COM | NA | EUDSSU.MITCHELL.COM | EUDSSP.MITCHELL.COM |

4. Scorecard batch Process High level diagram



**Scorecard related incremental facts and dimension flow diagram**

Compliance Subject Area Fact F\_COMPLIANCE\_FACT

TLV Subject Area Fact F\_TLV\_FACT

Claim Dimension D\_CLAIM\_DIM

Cycle Time Task Subject Area Fact F\_CYCLE\_TIME\_TASK\_FACT

Cycle Time Repair Subject Area Fact F\_CYCLE\_TIME\_REPAIR\_FACT

CSI Subject Area Fact F\_CSI\_FACT

Review Subject Area Fact F\_REVIEW\_FACT

Estimate Subject Area Fact F\_ESTIMATE\_FACT

**5. Mitchell Score Card Packages and procedures**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl\_Num** | **Schema\_Name** | **Package Name** | **Procedure Name / Function Name** | **Purpose / Comments** |
| 1 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_ORG\_EST | This Procedure is to calculate # Original Estimates |
| 2 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_REVIEWS | This Procedure is to calculate # Reviews |
| 3 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OF\_REVIEW\_ANNT | This Procedure is to calculate % Reviews Annotated |
| 4 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_ANNT\_TOT\_EST\_DOLR | This Procedure is to calculate % Annotation $ |
| 5 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_ASSIGNED\_TO\_UPLOAD | This Procedure is to calculate Assign to Upload (Days) |
| 6 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_REPAIR\_CYCLE\_TIME | This Procedure is to calculate Repair Labor Hrs Per Day |
| 7 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_SUPPLEMENTS | This Procedure is to calculate % Supplement |
| 8 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_MULTI\_SUPPLEMENTS | This Procedure is to calculate % Multi-Supplement |
| 9 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NPS | This Procedure is to calculate NPS |
| 10 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_REPAIR | This Procedure is to calculate % Parts Repaired |
| 11 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_REPLACE | This Procedure is to calculate % Parts Replaced |
| 12 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_ALT\_PART\_DOLR | This Procedure is to calculate % Alternate Part $ |
| 13 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_REF\_HRS\_PER\_EST | This Procedure is to calculate Avg Refinish Hrs Per Est |
| 14 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_DOLR\_SUPPLM | This Procedure is to calculate Avg $ Per Supplement |
| 15 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_PAINT\_MAT\_DOLAR\_EST | This Procedure is to calculate Avg Paint Material $ |
| 16 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_APU\_SAV\_DELTA\_EST | This Procedure is to calculate Avg APU Savings Delta |
| 17 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_GROSS\_PER\_EST | This Procedure is to calculate Avg Gross $ Per Est |
| 18 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_PART\_PER\_EST | This Procedure is to calculate Avg Part $ Per Est |
| 19 | EDW | PKG\_SCORECARD\_KPI | P\_CMP\_AVG\_LBR\_DLR\_MIN\_DLR\_PANT | This Procedure is to calculate Avg Labor $ without Ref Labor |
| 20 | EDW | PKG\_SCORECARD\_KPI | P\_CMP\_AVG\_PNT\_MAT\_PLUS\_LBR\_DLR | This Procedure is to calculate Avg Paint Material $ incl Ref Labor |
| 21 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_LBR\_HRS\_PER\_EST | This Procedure is to calculate Avg Labor Hrs Per Est |
| 22 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_FST\_CMT\_TO\_LST\_SPL | This Procedure is to calculate Orig Commit to Last Supp (Days) |
| 23 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_BUMPER\_REP | This Procedure is to calculate % Bumper Repair |
| 24 | EDW | PKG\_SCORECARD\_KPI | p\_comp\_per\_sup\_dlr\_org\_dlr | This Procedure is to calculate % Supp $ of Orig Estimate $ |
| 25 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_FRM\_LBR\_HRS\_PER\_EST | This Procedure is to calculate Avg Frame Labor Hrs Per Est |
| 26 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_LKQ\_PART\_DLR\_EST | This Procedure is to calculate Avg LKQ Part $ Per Est |
| 27 | EDW | PKG\_SCORECARD\_KPI | p\_comp\_per\_oem\_part\_qty | This Procedure is to calculate % OEM Part Quantity |
| 28 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_BLEND\_LINES\_PER\_EST | This Procedure is to calculate Avg # of Blend Lines |
| 29 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_KEPT\_INFORMED | This Procedure is to calculate % Kept Informed |
| 30 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_VEHICLE\_ON\_TIME | This Procedure is to calculate % Vehicle on Time |
| 31 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_NO\_OF\_DAYS | This Procedure is to calculate Avg Key to Key (Days) |
| 32 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_ESTIMATE | This will build the Estimate subject area for the particular  scorecard and based on the configuration |
| 33 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_REVIEW | This will build the Review subject area for the particular  scorecard and based on the configuration |
| 34 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CYCL\_TASK | This will build the Task subject area for the particular  scorecard and based on the configuration |
| 35 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CYCL\_REP | This will build the Repair subject area for the particular  scorecard and based on the configuration |
| 36 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CSI | This will build the Review subject area data for the particular  scorecard and based on the configuration |
| 37 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_DRIVER | This is the staring position of the scorecard , It will create headers  and details for the scorecards (jobs) need to refresh for the day |
| 38 | EDW | PKG\_SCORECARD\_KPI | P\_PROCESS\_UPDATE\_HDR | This process will update status’s of heeder jobs based  on the execution |
| 39 | EDW | PKG\_SCORECARD\_KPI | P\_PROCESS\_UPDATE\_DTL | This process will update status’s of detail jobs based  on the execution |
| 40 | EDW | PKG\_SCORECARD\_KPI | F\_SC\_HIERARCHY\_LVL | This function will returns the company has how many levels need to  process the KPI data |
| 41 | EDW | PKG\_SCORECARD\_KPI | F\_GET\_TP\_SLICES | This function will return the time slices based on mail  time periods and configuration |
| 42 | EDW | PKG\_SCORECARD\_KPI | P\_UPD\_TIME\_PERIODS\_DATES | This updates main time periods start date and end date’s based on the  current date. it will call everyday once in the batch processing . |
| 43 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_EST\_AD | This will build the Estimate subject area for the  particular scorecard and based on the configuration |
| 44 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_REVIEW\_AD | This will build the Review subject area for the  particular scorecard and based on the configuration |
| 45 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CY\_TASK\_AD | This will build the Task subject area for the  particular scorecard and based on the configuration |
| 46 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CY\_REP\_AD | This will build the Repair subject area for the  particular scorecard and based on the configuration |
| 47 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_KPI\_AGG\_CSI\_AD | This will build the Review subject area data for the  particular scorecard and based on the configuration |
| 48 | EDW | PKG\_SCORECARD\_KPI | P\_SCORECARD\_DRIVER\_AD | This procedure will call by instant trigger functionality  ( from the front end) |
| 49 | EDW | PKG\_GENERAL | P\_GENERAL\_LOG | It will logs general logs |
| 50 | EDW | PKG\_GENERAL | F\_GET\_PARAM\_VAL | This function will return the configuration value based  on the parameter |
| 51 | EDW | PKG\_GENERAL | P\_TRUNCATE\_TABLE | This will truncate the hole table based on the table  name passed as parameter |
| 52 | EDW | PKG\_GENERAL | P\_TRUNCATE\_PARTITION | This will truncate the particular table partition based on the table name and partition name  passed as parameter |
| 53 | EDW | PKG\_GENERAL | P\_CREATE\_PARTITION | This will create partition based on the table name and  partition name passed as parameter |
| 54 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_SCORE\_RANK\_DRIVER | This procedure (driver) is starting point of the score ,  rank , peer and company average (batch) |
| 55 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_SCORE\_RANK\_START | This the procedure will start creating the score and  rank calculation |
| 56 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_SCORE\_RANK\_START\_AD | This procedure is starting point of the score , rank ,  peer and company average (Instant trigger ) |
| 57 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_KPI\_TGT\_VS\_ACTUAL | This will calculate the difference between the target and actual and store it in the  aggregate staging table |
| 58 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_KPI\_STD\_DIV\_MEAN\_CALC | This procedure will calculate the slandered deviations  for the |
| 59 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_KPI\_IND\_SCORE\_CALC | This will calculate the individual scores based on the kpi and weights and lover is better or  higher is better |
| 60 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_AGG\_SCORE\_AND\_RANK | This will build the aggregate scores for the participant  and time slice |
| 61 | EDW | PKG\_SC\_SCORE\_RANK | P\_SC\_AGG\_PEER\_AND\_COMP\_AVG | This will calculate the peer and company average |
| 62 | EDW | PKG\_DATA\_LOAD | P\_F\_estimate\_fact | This procedure will load Estimate Subject Area source data from DM\_EST\_ROLLUP  to F\_estimate\_fact Dimension tables and dm\_est\_rollup |
| 63 | EDW | PKG\_DATA\_LOAD | P\_d\_Claim\_Dim | This procedure will load claim related source data from clm.exposure\_details to  D\_CLAIM\_DIM clm.exposure\_details |
| 64 | EDW | PKG\_DATA\_LOAD | P\_F\_Review\_Fact | This procedure will load Review Subject Area source data from clm.reinspection to  F\_REVIEW\_FACT clm.reinspection |
| 65 | EDW | PKG\_DATA\_LOAD | P\_F\_Cycletime\_Repair\_Fact | This procedure will load Repair Subject Area source data from REPAIR.REPAIR\_JOB To  F\_CYCLETIME\_REPAIR\_FACT REPAIR.REPAIR\_JOB |
| 66 | EDW | PKG\_DATA\_LOAD | P\_F\_Cycletime\_Task\_Fact | This procedure will load Task Subject Area source data from TASK.TASKS To  F\_CYCLETIME\_TASK\_FACT TASK.TASKS |
| 67 | EDW | PKG\_DATA\_LOAD | P\_F\_CSI\_Fact | This procedure will load CSI Subject Area source data  from CSIACX\_VW To F\_CSI\_FACT CSIACX\_VW |
| 68 | EDW | PKG\_DATA\_LOAD | P\_F\_TLV\_Fact | This procedure will load TLV Subject Area source data |
| 69 | EDW | PKG\_DATA\_LOAD | P\_F\_COMPLIANCE\_Fact | This procedure will load COMPLIANCE Subject Area  source data |
| 70 | EDW | PKG\_SC\_MISSING\_TARGETS | P\_MAIN\_MSNG\_TGT | This is the Main Calling Function for Missed Targets  through which we can call differenct KPI's |
| 71 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_NO\_OF\_ORG\_EST\_MT | This Function is to finding out the Missed targets for  the given KPI called # Original Estimates |
| 72 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_NO\_OF\_REVIEWS\_MT | This Function is to finding out the Missed targets for  the given KPI called # Reviews |
| 73 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OF\_REVIEW\_ANNT\_MT | This Function is to finding out the Missed targets for  the given KPI called % Reviews Annotated |
| 74 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_ANNT\_TOT\_EST\_DOLR\_MT | This Function is to finding out the Missed targets for  the given KPI called % Annotation $ |
| 75 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_ASSIGNED\_TO\_UPLOAD\_MT | This Function is to finding out the Missed targets for  the given KPI called Assign to Upload (Days) |
| 76 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_REPAIR\_CYCLE\_TIME\_MT | This Function is to finding out the Missed targets for  the given KPI called Repair Labor Hrs Per Day |
| 77 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_SUPPLEMENTS\_MT | This Function is to finding out the Missed targets for  the given KPI called % Supplement |
| 78 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_MULTI\_SUPPLEMENTS\_MT | This Function is to finding out the Missed targets for  the given KPI called % Multi-Supplement |
| 79 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_NPS\_MT | This Function is to finding out the Missed targets for  the given KPI called NPS |
| 80 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_REPAIR\_MT | This Function is to finding out the Missed targets for  the given KPI called % Parts Repaired |
| 81 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_REPLACE\_MT | This Function is to finding out the Missed targets for  the given KPI called % Parts Replaced |
| 82 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_ALT\_PART\_DOLR\_MT | This Function is to finding out the Missed targets for the given KPI called % Alternate Part $ |
| 83 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_REF\_HRS\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Refinish Hrs Per Est |
| 84 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_DOLR\_SUPPLM\_MT | This Function is to finding out the Missed targets for the given KPI called Avg $ Per Supplement |
| 85 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_PNT\_MAT\_DLR\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Paint Material $ |
| 86 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_APU\_SAV\_DELTA\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg APU Savings Delta |
| 87 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_GROSS\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Gross $ Per Est |
| 88 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_PART\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Part $ Per Est |
| 89 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_LBR\_DLR\_MIN\_DLR\_PNT\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Labor $ without Ref Labor |
| 90 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PNT\_MAT\_PLUS\_LBR\_DLR\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Paint Material $ incl Ref Labor |
| 91 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_LBR\_HRS\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Labor Hrs Per Est |
| 92 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_FST\_CMT\_TO\_LST\_SPL\_MT | This Function is to finding out the Missed targets for the given KPI called Orig Commit to Last Supp (Days) |
| 93 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_BUMPER\_REP\_MT | This Function is to finding out the Missed targets for the given KPI called % Bumper Repair |
| 94 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_SUP\_DLR\_ORG\_DLR\_MT | This Function is to finding out the Missed targets for the given KPI called % Supp $ of Orig Estimate $ |
| 95 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_FRM\_LBR\_HRS\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Frame Labor Hrs Per Est |
| 96 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_LKQ\_PART\_DLR\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg LKQ Part $ Per Est |
| 97 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OEM\_PART\_QTY\_MT | This Function is to finding out the Missed targets for the given KPI called % OEM Part Quantity |
| 98 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_BLEND\_LINES\_PER\_EST\_MT | This Function is to finding out the Missed targets for the given KPI called Avg # of Blend Lines |
| 99 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_KEPT\_INFORMED\_MT | This Function is to finding out the Missed targets for the given KPI called % Kept Informed |
| 100 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_VEHICLE\_ON\_TIME\_MT | This Function is to finding out the Missed targets for the given KPI called % Vehicle on Time |
| 101 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_NO\_OF\_DAYS\_MT | This Function is to finding out the Missed targets for the given KPI called Avg Key to Key (Days) |
| 102 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_NO\_OF\_DAYS | This Procedure is to calculate Avg Key to Key (Days) |
| 103 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_OVERALL\_COND\_RATING | This Procedure is to calculate Avg Condition Rating |
| 104 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_OVERALL\_NEG\_COND\_ADJ | This Procedure is to calculate % Neg Condition Adj |
| 105 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_OVERALL\_POS\_COND\_ADJ | This Procedure is to calculate % Pos Condition Adj |
| 106 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_COND\_ADJ | This Procedure is to calculate Avg Condition Adj $ |
| 107 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_VAL\_RPTS\_COND\_ADJ | This Procedure is to calculate % Val with Cond Adj |
| 108 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_VAL\_RPTS\_PRIOR\_DMG\_ADJ | This Procedure is to calculate % Val with Prior Dmg Adj |
| 109 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_PRIOR\_DAMAGE\_ADJ | This Procedure is to calculate Avg Val Prior Dmg Adj $ |
| 110 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_WCTL\_RPTS | This Procedure is to calculate # Valuations |
| 111 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_EST\_FRAME\_LBR | This Procedure is to calculate % Est with Frame Labor |
| 112 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_PAINT\_MATERIAL\_DLR | This Procedure is to calculate % Paint Material $ |
| 113 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OEM\_PART\_DLR | This Procedure is to calculate % OEM Part $ |
| 114 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OE\_SURPLUS\_QTY | This Procedure is to calculate % OE Surplus Qty |
| 115 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_AFTERMARKET\_QTY | This Procedure is to calculate % Aftermarket Qty |
| 116 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_LKQ\_QTY | This Procedure is to calculate % LKQ Qty |
| 117 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_AFTERMARKET\_AMT | This Procedure is to calculate % Aftermarket Amt |
| 118 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_LKQ\_AMT | This Procedure is to calculate % LKQ Amt |
| 119 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_REMAN\_QTY | This Procedure is to calculate % Reman Qty |
| 120 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_REMAN\_AMT | This Procedure is to calculate % Reman Amt |
| 121 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OE\_SURPLUS\_AMT | This Procedure is to calculate % OE Surplus Amt |
| 122 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_AVG\_VEHICLE\_AGE | This Procedure is to calculate Avg Vehicle Age |
| 123 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_EST\_COMPL\_FAILED | This Procedure is to calculate % Est Compliance Failed |
| 124 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_EST\_COMPL\_WARNED | This Procedure is to calculate % Est Compliance Warned |
| 125 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_EST\_COMPL\_PASSED | This Procedure is to calculate % Est Compliance Passed |
| 126 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_EST\_COMPL\_FAILED | This Procedure is to calculate # Est Compliance Failed Total |
| 127 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_EST\_COMPL\_WARNED | This Procedure is to calculate # Est Compliance Warned Total |
| 128 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_EST\_COMPL\_PASSED | This Procedure is to calculate # Est Compliance Passed Total |
| 129 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_NO\_OF\_TIMES\_EST\_COMPL | This Procedure is to calculate % Est with Compliance |
| 130 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_COMPL\_AUTO\_APPRVD | This Procedure is to calculate % Estimates Auto-Approved |
| 131 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OEM\_PART\_QTY\_VEH | This Procedure is to calculate % OEM Part Qty for Veh >= 5 Yrs |
| 132 | EDW | PKG\_SCORECARD\_KPI | P\_COMP\_PER\_OEM\_PART\_QTY\_VEH\_AG | This Procedure is to calculate % OEM Part Qty for Veh < 5 Yrs |
| 133 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_NO\_OF\_DAYS\_MT | This Function is to calculate Avg Key to Key (Days) |
| 134 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_OVRALL\_COND\_RTNG\_MT | This Function is to calculate Avg Condition Rating |
| 135 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_OVERALL\_NEG\_COND\_ADJ\_MT | This Function is to calculate % Neg Condition Adj |
| 136 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_OVERALL\_POS\_COND\_ADJ\_MT | This Function is to calculate % Pos Condition Adj |
| 137 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_COND\_ADJ\_MT | This Function is to calculate Avg Condition Adj $ |
| 138 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_VAL\_RPTS\_COND\_ADJ\_MT | This Function is to calculate % Val with Cond Adj |
| 139 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_VL\_RPTS\_PRIOR\_DMG\_ADJ\_MT | This Function is to calculate % Val with Prior Dmg Adj |
| 140 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_PRIOR\_DAMAGE\_ADJ\_MT | This Function is to calculate Avg Val Prior Dmg Adj $ |
| 141 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_WCTL\_RPTS\_MT | This Function is to calculate # Valuations |
| 142 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_EST\_FRAME\_LBR\_MT | This Function is to calculate % Est with Frame Labor |
| 143 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_PAINT\_MT\_DLR\_MT | This Function is to calculate % Paint Material $ |
| 144 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OEM\_PART\_DLR\_MT | This Function is to calculate % OEM Part $ |
| 145 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OE\_SURPLUS\_QTY\_MT | This Function is to calculate % OE Surplus Qty |
| 146 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_AFTERMARKET\_QTY\_MT | This Function is to calculate % Aftermarket Qty |
| 147 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_LKQ\_QTY\_MT | This Function is to calculate % LKQ Qty |
| 148 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_AFTERMARKET\_AMT\_MT | This Function is to calculate % Aftermarket Amt |
| 149 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_LKQ\_AMT\_MT | This Function is to calculate % LKQ Amt |
| 150 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_REMAN\_QTY\_MT | This Function is to calculate % Reman Qty |
| 151 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_REMAN\_AMT\_MT | This Function is to calculate % Reman Amt |
| 152 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OE\_SURPLUS\_AMT\_MT | This Function is to calculate % OE Surplus Amt |
| 153 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_AVG\_VEHICLE\_AGE\_MT | This Function is to calculate Avg Vehicle Age |
| 154 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_PER\_EST\_COMPL\_FAILED\_MT | This Function is to calculate % Est Compliance Failed |
| 155 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_PER\_EST\_COMPL\_WARNED\_MT | This Function is to calculate % Est Compliance Warned |
| 156 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_PER\_EST\_COMPL\_PASSED\_MT | This Function is to calculate % Est Compliance Passed |
| 157 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_NO\_OF\_EST\_COMPL\_FAILED\_MT | This Function is to calculate # Est Compliance Failed Total |
| 158 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_NO\_OF\_EST\_COMPL\_WARNED\_MT | This Function is to calculate # Est Compliance Warned Total |
| 159 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_NO\_OF\_EST\_COMPL\_PASSED\_MT | This Function is to calculate # Est Compliance Passed Total |
| 160 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_NO\_OF\_TIMES\_EST\_COMPL\_MT | This Function is to calculate % Est with Compliance |
| 161 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_PER\_COMPL\_AUTO\_APPRVD\_MT | This Function is to calculate % Estimates Auto-Approved |
| 162 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OEM\_PART\_QTY\_VEH | This Function is to calculate % OEM Part Qty for Veh >= 5 Yrs |
| 163 | EDW | PKG\_SC\_MISSING\_TARGETS | FN\_SC\_PER\_OEM\_PART\_QTY\_VEH\_AG | This Function is to calculate % OEM Part Qty for Veh < 5 Yrs |

**Note :** Default the **PKG\_SCORECARD\_KPI** package will run only for the records in sc\_config which has **status='C'** . Every time process will truncate the records in **agg\_kpi\_score** table for the selected kpi record in **sc\_config** table and will run .

**Step-2:** Need to check the score card running status in **sc\_kpi\_process\_hdr and sc\_kpi\_process\_dtl** tables till it updated to **'C'** status.

**Batch process**

**select \* from sc\_kpi\_process\_hdr where run\_id in (select run\_id from sc\_run\_id);**

**select \* from sc\_kpi\_process\_dtl where run\_id in (select run\_id from sc\_run\_id);**

**select count(1) from sc\_kpi\_process\_dtl where run\_id in (select run\_id from sc\_run\_id) and status is not null;**

**Instant trigger**

**select \* from sc\_kpi\_process\_hdr where run\_id =-1 and sc\_id =< score card id >**

**select \* from sc\_kpi\_process\_dtl where run\_id =-1 and sc\_id =< score card id >**

**select count(1) from sc\_kpi\_process\_dtl where run\_id =-1 and sc\_id =< score card id > and status is not null;**

**Step-3:** Once PKG\_SCORECARD\_KPI execution completed and updated the staus with 'C', can run rank and scoring package PKG\_SC\_SCORE\_RANK package to calculate Score & Ranking values.

There will be separate status column present in the **sc\_kpi\_process\_hdr and sc\_kpi\_process\_dtl** tables for score and rank, make sure to verify till it reaches to **'C'** Status.