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| Abeo international pte ltd |
| POS & SAP  Daily Sales  Integration Functional Specifications |
| *for YSQ F&B PTE LTD*  *And*  *Imperial Treasure Group* |
|  |
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| **22 Apr 2017** |

Contents

[1 Configuration 3](#_Toc480625172)

[2 Master Data 3](#_Toc480625173)

[1.1 Item Master Mapping 3](#_Toc480625174)

[1.2 Outlet Mapping 4](#_Toc480625175)

[1.3 Revenue Department Mapping 5](#_Toc480625176)

[1.4 Payment Mode 6](#_Toc480625177)

[2 Discount Type 7](#_Toc480625178)

[3 Transactional Data (POS to SAP) 9](#_Toc480625179)

[3.1 Daily Sales Summary 10](#_Toc480625180)

[3.2 Daily Sales Details 12](#_Toc480625181)

[3.3 Daily Collection Summary 15](#_Toc480625182)

[4 Prerequisite 18](#_Toc480625183)

[5 Customized Logic: 18](#_Toc480625184)

[5.1 Assign Dimension 1 & 2 for every line in Sales Invoice Transaction 18](#_Toc480625185)

[5.2 Warehouse and Bin location 19](#_Toc480625186)

[5.3 Data assignment for Payment Transaction 19](#_Toc480625187)

[5.4 Data assignment for Sales Transaction 19](#_Toc480625188)

[5.5 Sales Transaction with Sales BOM 19](#_Toc480625189)

[5.6 Sales Transaction with Customized Discount 20](#_Toc480625190)

[6 Acknowledgement 22](#_Toc480625191)

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# Configuration

# Master Data

|  |  |  |
| --- | --- | --- |
| No | Queries to Client | Answer verified by Client |
| 1 | In SAP or POS you maintain the master data such as item master data, project and outlet? | Item master is same in POS and SKU. When new item is created, users need to create in both POS and SAP system. Item code is same across outlets  Outlet code is different in POS and SAP. A mapping table will be maintained in integration table |
| 2 | Do you require master data to be synced from POS to SAP or vice versa? | No |
| 3 | If master data sync is required, what will be the frequency required? | Not required |
| 4 | Does each outlet have only one or multiple store locations? | Each outlet has one main store location only |

## Item Master Mapping

Table: SAP\_POS\_ITEM

Only applicable if ItemMapping = ‘Y’ in configuration file.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SAP  ItemCode | Entity | ~~POS~~  ~~BranchCode~~ | POS  ItemCode | SAP Dept | ValidFrom | ValidTo | Status |
| String(50) | **String(20)** | **~~String(8)~~** | **String (254)** | **String(8)** | **Date** | **Date** | **String(50)** |
| SAP Code | **Entity / Database** | **~~OutletCode~~** | **POS Code** | **Revenue Department** | **Valid From Business Date** | **Valid To Business Date** | **Mapping Status** |
| 0001234 | SGTeochew | ~~PARAGON~~ | 000023332 | BBQ | 01.02.2016 |  | New |
| 0001235 | SGYiDianXin | ~~ION~~ | TK0092929 | DS | 01.01.1998 | 13.10.2016 | Synced |
| 0001236 | SGYiDianXin | ~~ION~~ | 899827771 | DS | 14.10.2016 |  | Synced |

This mapping table will be maintained in one central integration database. The records cannot be deleted. The records can only be expired. No duplicate POS item mapping should exist during the same valid period.

Assumption: All outlets maintain same POS item code

* Whenever there is a new item in POS file which cannot be found in the mapping table, create an entry in SAP\_POS\_ITEM with POS Item Code into the table and status as ‘New’. The Entity should be retrieved from SAP\_POS\_OUTLET based on POSOutletCode
* The maintenance of the mapping table is done by users via web portal by administrator
* The screen should allow user to filter item mapping listing based on 1) POS Item code from 2) POS Item code To 3) status: All, New, Synced
* The screen should displayed all the fields as per above table. Entity name and POS item code should be read-only and it should allow user to select the

1. SAPItemCode: Based on POSOutletCode to retrieve entity name from SAP\_POS\_OUTLET. Select OITM.ItemCode from the entity where the item is not inactive.
2. SAP Dept: OBIN.SL1Code
3. User to enter the validity period.

* At one time only one mapping is allowed for one item, determined by the validity period.
* Instead of entering mapping details based on the listing mentioned in point 3, the screen should also allow user to manually create new mapping for an existing item for a new validity period.
* Users may update the “valid to” field to expire an item mapping and create a new entry for new mapping
* When users press update button, it should update the **valid** POS Item code into OITM.U\_POSItemCode, SAP Dep into OITM.U\_Dept
* If the update was done to mapping which status = ‘New’, change the status to ‘Synced’ in the database table.

## Outlet Mapping

Table: SAP\_POS\_OUTLET

Only applicable if OutletMapping = ‘Y’ in configuration file.

Each outlet is maintained as branch, cost center (dimension 1) and warehouse in SAP.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Entity | CardCode | POSOutletCode | SAPWHSCode | SAPBranch | OcrCode | ValidFrom | ValidTo | Status |
| String(20) | **String(15)** | **String(8)** | **String(8)** | **String(8)** | **String(8)** | **Date** | **Date** | **String(50)** |
| Entity / Database | **Walk-in**  **Customer Code** in SAP | **Outlet Code** | **Warehouse Code** | **Branch Code** | **Cost Center (Outlet)** | **Valid From Business Date** | **Valid To Business Date** | **Mapping Status** |
| YSQ\_FNB\_LIVE | CWI\_HV | 101 | WH-HV | HV | HV | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_KT | 102 | WH-KT | KS | KS | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_ZSP | 103 | WH-ZSP | ZSP | ZSP | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_HV2 | 104 | WH-HV2 | HV2 | HV2 | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_TPC | 105 | WH-TPC | TPC | TPC | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_AV | 106 | WH-AV | AV | AV | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWIPUG | 107 | WH-PUG | PUG | PUG | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_AV | 108 | WH-AV | AV | AV | 01.07.2017 |  | Synced |
| YSQ\_FNB\_LIVE | CWI\_JEM | 115 | WH-JEM | JEM | JEM | 01.07.2017 |  | Synced |
| SGTeowChew | CWI\_11PRG | PGN | 11PRG | 11PRG | 11PRG | 01.01.2017 |  | Synced |
| SGYiDianXin | CWI\_12ION | ION | 12ION | 12ION | 12ION | 01.01.2017 |  | Synced |

This mapping table will be maintained in one central integration database. The records cannot be deleted. The records can only be expired.

* Whenever there is a new outlet in POS file which cannot be found in the mapping table, create an entry in SAP\_POS\_OUTLET with POS Outlet Code and status as ‘New’
* The maintenance of the mapping table is done by users via web portal by administrator
* The screen should allow user to filter item mapping listing based on 1) POS outlet code from 2) POS outlet code To 3) status: All, New, Synced
* The screen should displayed all the fields as per above table. POS outlet code should be read-only and it should allow user to select from dropdown

1. Entity: list of SAP database with suffix ‘\_LIVE’
2. CardCode: OCRD.CardCode where type = customer and status = active
3. SAPWhsCode: OWHS.WhsCode where status = active
4. SAPBranch: OBPL.TaxIdNum
5. OcrCode: OPRC.PrcCode where DimCode = 1 and status = active

* User should enter the validity period on screen
* At one time only one mapping is allowed, determined by the validity period.
* Instead of entering mapping details based on the listing mentioned in point 3, the screen should also allow user to manually create new mapping for an existing item for a new validity period.
* Users may update the “valid to” field to expire an item mapping and create a new entry for new mapping
* If the update was done to mapping which status = ‘New’, change the status to ‘Synced’ in the database table.

## Revenue Department Mapping

Table: SAP\_POS\_DEPT

Only applicable if RevDeptMapping = ‘Y’ in configuration file.

Department is maintained as cost center (dimension 2). Each outlet and sub-outlet in “Legend at Anchorvale” share same POS system.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| POSOutletCode | POSDept | SAPBinLoc | OcrCode2 | ValidFrom | ValidTo | Status |
| String(254) | **String(100)** | **String(100)** | **String(8)** | **Date** | **Date** | **String(50)** |
| POS Outlet CODE | **Revenue Department / Suboutlet** | **SAP Bin Location** | **Cost Center 2**  **(Sub-Outlet/**  **Departmen)** | **Valid From Business Date** | **Valid To Business Date** | **Mapping Status** |
| PARAGON | PARAGON-BBQ | 11PRG-BQ |  | 01.01.2017 |  | Synced |
| ION | ION-DESSERT | 12ION-SF |  | 01.01.2017 |  | Synced |
| ION | ION-BBQ | 12ION-BQ |  | 01.01.2017 |  | Synced |
| 108 | BR | SYSTEM-BIN-LOCATION | BAR | 01.01.2017 |  | Synced |
| 108 | MJ | SYSTEM-BIN-LOCATION | MUKJA | 01.01.2017 |  | Synced |
| 108 | PZ | SYSTEM-BIN-LOCATION | PIZALO | 01.01.2017 |  | Synced |
| 108 | AL | SYSTEM-BIN-LOCATION | ALLEGRA | 01.01.2017 |  | Synced |
| 108 | SF | SYSTEM-BIN-LOCATION | SEAFOOD | 01.01.2017 |  | Synced |
| 108 | XC | SYSTEM-BIN-LOCATION | XIAOCHAO | 01.01.2017 |  | Synced |
| 108 | ND | SYSTEM-BIN-LOCATION | NOODLE | 01.01.2017 |  | Synced |

This mapping table will be maintained in one central integration database. The records cannot be deleted. The records can only be expired.

* Whenever there is a new department in POS sales transaction details file which cannot be found in the mapping table, create an entry in SAP\_POS\_DEPT with POS Outlet Code and POS Dept with status as ‘New’
* The maintenance of the mapping table is done by users via web portal by administrator
* The screen should allow user to filter item mapping listing based on 1) POS outlet code from 2) POS outlet code To 3) POS department code from 4) POS department code To 5) status: All, New, Synced
* The screen should displayed all the fields as per above table. POS outlet code and POS department code should be read-only and it should allow user to select from dropdown

1. SAPBinLoc: OBIN.BinCode where OBIN.WhsCode = SAP\_POS\_OUTLET.WhsCode (Join SAP\_POS\_OUTLET.POSOutletCode = SAP\_POS\_DEPT.POSOutletCode)
2. OcrCode2: OPRC.PrcCode where DimCode = 2 and status = active

* The selection in drop down should be retrieved from the entity/DB name based on SAP\_POS\_OUTLET.Entity using POSOutletCode
* User should enter the validity period on screen
* At one time only one mapping is allowed, determined by the validity period.
* Instead of entering mapping details based on the listing mentioned in point 3, the screen should also allow user to manually create new mapping for an existing item for a new validity period.
* Users may update the “valid to” field to expire an item mapping and create a new entry for new mapping
* If the update was done to mapping which status = ‘New’, change the status to ‘Synced’ in the database table.

## Payment Mode

Table: SAP\_POS\_PAYMENT

Only applicable if PayModeMapping = ‘Y’ in configuration file.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| POSOutletCode | POSTenderCode | SAPTenderCode | For SAP configuration purpose only, not required to create this column in INT DB | Status |
| String(254) | **String(30)** | **String(30)** |  | **String(50)** |
| Outlet Code/POSNO | TenderCode in POS | TenderCode in SAP | **Clearing Account** | **Mapping Status** |
| 101 | UOBVISA | UOB Visa | 111911 | Synced |
| 101 | DBSMASTER | DBS Master | 111911 | Synced |
| 101 | CASH | Cash | 111910 | Synced |
| 101 | CAPITALVCR | Capital Mall Voucher | 111912 | Synced |
| 102 | UOBVISA | UOB Visa | 111811 | Synced |
| 102 | CASH | Cash | 111810 | Synced |
| 102 | HV2 | $45 Mall Voucher | 110701: Other receivables | Synced |
| 102 | RS1 | $20 Roadshow: Roadshow, Passerby (Need to input serial no) | 412050: Discount allowed | Synced |

This mapping table will be maintained in one central integration database. The records can be updated.

* Whenever there is a new payment mode in POS collection file which cannot be found in the mapping table, create an entry in SAP\_POS\_PAYMENT with POS Outlet Code and POS TenderCode with status as ‘New’
* The maintenance of the mapping table is done by users via web portal by administrator
* The screen should allow user to filter item mapping listing based on 1) POS outlet code from 2) POS outlet code To 3) POS Tender code from 4) POS Tender code To 5) status: All, New, Synced
* The screen should displayed all the fields as per above table. POS outlet code and POS Tender Code should be read-only and it should allow user to select from dropdown

1. SAPTenderCode: OCRC.CardName
2. OcrCode2: OPRC.PrcCode where DimCode = 2 and status = active

* The selection in drop down should be retrieved from the entity/DB name based on SAP\_POS\_OUTLET.Entity using POSOutletCode
* User should enter the validity period on screen
* At one time only one mapping is allowed, determined by the validity period.
* Instead of entering mapping details based on the listing mentioned in point 3, the screen should also allow user to manually create new mapping for an existing item for a new validity period.
* Users may update the “valid to” field to expire an item mapping and create a new entry for new mapping
* If the update was done to mapping which status = ‘New’, change the status to ‘Synced’ in the database table.

# Discount Type

|  |  |  |
| --- | --- | --- |
| No | Queries | Answer |
| 1 | Do you allow discount on discount in a single bill?  For example, if there is a 1-FOR-1 for a dish, do you further allow 10% off from total bill? | No |
| 2 | What are the special customized 100% discount codes? | Pending discount code from customer  DPOSTV for POST SEND VOID  Happens when order has been processed and needs to be void  GL Code to map:SPOILAGE |
| 3 | For total bill discount, POS will send distribute the discount by item and item price.  For example:  2 French Fries @$6  1 coke @$2  Total Bill discount 10% -$1.4  POS send the data as:  2 French Fries @$6 = $12  1 coke @$2 = $2  -1 disc Total Bill 10% @$1.2 = -$1.2  off French Fries  -1 disc Total Bill 10% @$2 = -$0.2  off coke | Yes, by food item value  For analysis purpose |
| 4 | Do you have set menu which allow customers to mix and match dishes? | Yes |
| 5 | Discount treatment for normal discount  For example, If a bottle of wine is $100 and discount given is $15, the revenue to be posted is $100 or $85? | $100 with discount $15 |

# Transactional Data (POS to SAP)

|  |  |  |
| --- | --- | --- |
| No | Queries | Answer |
| 1 | What is the frequency of transactional data sent from POS into SAP? | Daily |
| 2 | What will be the customer code used in SAP for walk in customers? | Retrieve CardCode from SAP\_POS\_OUTLET based on POS OutletCode |
| 3 | How do you analyse sales? Such as by outlet, department? | Brand = Entity (for ITRG)  Outlet = branch, cost center 1, warehouse  Department/SubOutlet = bin location/cost center 2 |
| 4 | SAP Item code for   1. Tipping 2. Rounding 3. Excess 4. Service Charge | 1. zSTips 2. zSRounding 3. zSExcess 4. zSServiceCharge |
| 5 | Is the daily POS file split by outlet, business date?  For eg: One POS file each day for each outlet? | One POS file each business day for each outlet |
| 6 | Line item Price | Exclusive of GST & Service Charge |
| 7 | If Error, resync by POS or by Outlet | By Outlet |

## Daily Sales Summary

Sample Data

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FILE ID** | **POS NO** | **Outlet** | **BUSINESS DATE** | **TOTAL GROSS AMOUNT** | **SERVICE CHARGE** | **GST** | **ROUNDING** | **EXCESS AMOUNT** | **TIPS AMOUNT** | **COVERS** |
| 11109 | 123842 | 102 | 20170101 | 45.00 | 3.78 | 2.91 | 0.00 | 0.51 | 0.00 | 2 |
| 11110 | 182304 | 108 | 20170101 | 56.80 | 4.80 | 3.69 | -0.04 | 0.00 | 0.35 | 4 |
| 11111 | 128301 | 103 | 20170101 | 112.15 | 9.59 | 6.71 | 0.00 | 0.00 | 0.00 | 5 |

Excess amount is applicable if voucher value is greater than bill

For eg:

Bill is $37.8, after service charge $3.78 and GST $2.91, total payable is 44.49. Customer pays with a voucher worth $45. Assuming this voucher is sold voucher, excess amount $0.51 will be recognized as other income.

Excess amount, service charge, rounding, and tipping will be created as item master with item code zSTips, zSRounding, zSExcess, zSServiceCharge.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FILE ID** | **POS NO** | **Outlet** | **BUSINESS DATE** | **TOTAL GROSS AMOUNT** | **SERVICE CHARGE** | **GST** | **ROUNDING** | **EXCESS AMOUNT** | **TIPS AMOUNT** | **COVERS** |
| 11109 | 123842 | 102 | 20170101 | 44.49 | 3.78 | 2.91 | 0.00 | 0.00 | 0.00 | 2 |
| 11110 | 182304 | 108 | 20170101 | 56.80 | 4.80 | 3.69 | -0.04 | 0.00 | 0.35 | 4 |
| 11111 | 128301 | 103 | 20170101 | 112.15 | 9.59 | 6.71 | 0.00 | 0.00 | 0.00 | 5 |

For eg:

Bill is $37.8, after service charge $3.78 and GST $2.91, total payable is 44.49. Customer pays with a voucher worth $45. Assuming this voucher is free voucher, excess amount should be zero.

Excess amount, service charge, rounding, and tipping will be created as item master with item code zSTips, zSRounding, zSExcess, zSServiceCharge.

Mapping to SAP

The FILE ID is an important key that identifies the single POS file which will contain 1 Sales Transaction Header, multiple Sales Transaction Lines and multiple Payment Lines.

Integration table (INT) name: SalesTransHeader

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| INT Field Name | SAP Field Name | SAP Field Data Type | Remarks | POS Field Name | POS Data Type |
|  | DB Name |  | Based on Outlet to retrieve Entity from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
|  | OINV.CardCode = CWI\_<OUTLETCODE> e.g. CWI\_ CCGWCY | String (15) | Based on Outlet to retrieve CardCode from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| FileID | OINV.U\_FileID | String(20) |  | FileID | String(20) |
| POSNo | OINV.U\_POSNo | String(8) |  | POS Number | String (8) |
| POSOutlet | OINV.U\_POSOutlet | String(8) |  | POS Outlet Code | String (8) |
| Branch | OINV.BPLId | String(8) | Based on POS Outlet to retrieve SAPBranch from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| Outlet | OINV.U\_Outlet | String(8) | Based on POS Outleto retrieve SAPOutlet from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| ~~Sub-Outlet~~ | ~~OINV.U\_SubOutlet~~ | ~~String(8)~~ | ~~Based on POS No to retrieve SAPSubOutlet from SAP\_POS\_OUTLET~~ |  |  |
| DocDate | OINV.DocDate | DateTime |  | Business Date | DateTime |
| TotalGrossAmt | OINV.DocTotal (Total Bill) = Subtotal Less Total Discount (if any) Add Svc Charge Add Rounding Add Excess Amount Add Tips Add Tax (not for Rounding, Excess Amt & Tips) | Numeric |  | TotalGrossAmt | Money |
| SvcCharge | INV1.ItemCode = zSServiceCharge Taxable | Numeric |  | Service Charge | Money |
| GST | summed from invoice lines | Numeric |  | GST | Money |
| Rounding | INV1.ItemCode = zSRounding, Non Taxable | Numeric |  | Rounding | Money |
| Excess | INV1.ItemCode = zSExcess, Non Taxable | Numeric |  | Excess Amount | Money |
| Tips | INV1.ItemCode = zSTips, Non Taxable | Numeric |  | Tips Amount | Money |
| Covers | OINV.U\_Covers | Numeric |  | Covers | Integer |
| RUpdated | - | - | Only sync into SAP with value = 1 | RUpdated | Boolean |
| POSSyncDate (From POS to INT DB) | - | DATETIME |  | - | - |
| Status (From POS to INT DB) (Success, Fail) | - | String(20) |  | - | - |
| ErrorMsg (From POS to INT DB) (If sync fail) | - | String(254) |  | - | - |
| SAPSyncDate (INT DB to SAP DB) | - | DATETIME |  | - | - |
| ARDocEntry (Written into INT DB after invoice are created in SAP) | OINV.DocEntry | - |  | - |  |

Fields without data type is not required in POS file

## Daily Sales Details

Sample Data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FILE ID** | **POS NO** | **Outlet** | **Dept** | **BUSINESS DATE** | **POS ITEM CODE** | **POS ITEM** | **DISC / PROMO CODE** | **DISCOUNTED ITEM** | **DiscAmt** | **Adjustment** | **SET** | **PRICE** | **QTY** | **Subtotal** |
| 11109 | 123842 | 102 |  | 20170101 | 00029123 | Angus Beef Steak |  |  |  |  |  | 18.00 | 1 | 18.00 |
| 11109 | 123842 | 102 |  | 20170101 | 00029224 | Creamy Mushroom Soup |  |  |  |  |  | 7.50 | 2 | 15.00 |
| 11109 | 123842 | 102 |  | 20170101 | 00029325 | Mash Potato |  |  |  |  |  | 1.00 | 2 | 2.00 |
| 11109 | 123842 | 102 |  | 20170101 | 00029326 | Lemon Tea |  |  |  |  |  | 2.80 | 1 | 2.80 |
| 11109 | 123842 | 102 |  | 20170101 | 00029326 | Lemon Tea | 00391  FOC |  | 2.80 |  |  | 2.80 | 1 | 0.00 |
| ~~11109~~ | ~~123842~~ | ~~102~~ |  | ~~20170101~~ | ~~00391~~ | ~~1 FOR 1~~ |  | ~~00029326~~ |  |  |  | ~~2.80~~ | ~~-1~~ | ~~-2.80~~ |
| 11110 | 182304 | 108 | PZ | 20170102 | 00029327 | SET LUNCH $15.99 |  |  |  |  |  | 15.99 | 2 | 31.98 |
| 11110 | 182304 | 108 | PZ | 20170102 | 00012345 | Chicken Chop |  |  |  |  | 00029327 | 0.00 | 2 | 0.00 |
| 11110 | 182304 | 108 | PZ | 20170102 | 00121823 | Soup of the Day |  |  |  |  | 00029327 | 0.00 | 2 | 0.00 |
| 11110 | 182304 | 108 | BAR | 20170102 | 12948102 | Coke |  |  |  |  | 00029327 | 0.00 | 2 | 0.00 |
| 11110 | 182304 | 108 | PZ | 20170102 | 00029327 | SET LUNCH $15.99 |  |  |  |  |  | 15.99 | 1 | 15.99 |
| 11110 | 182304 | 108 | PZ | 20170102 | 00012346 | Fish and Chips |  |  |  |  | 00029327 | 0.00 | 1 | 0.00 |
| 11110 | 182304 | 108 | PZ | 20170102 | 00121823 | Soup of the Day |  |  |  |  | 00029327 | 0.00 | 1 | 0.00 |
| 11110 | 182304 | 108 | BAR | 20170102 | 12948102 | Miranda |  |  |  |  | 00029327 | 0.00 | 1 | 0.00 |
| 11111 | 128301 | 103 |  | 20170103 | 00029328 | SET LUNCH $20 | 00392  (10% TOTAL BILL) |  | 10.00 |  |  | 20.00 | 5 | 90.00 |
| 11111 | 128301 | 103 |  | 20170103 | 00012348 | CARROT CAKE |  |  |  |  | 00029328 | 0.00 | 5 | 0.00 |
| 11111 | 128301 | 103 |  | 20170103 | 00012347 | Seafood Platter |  |  |  |  | 00029328 | 0.00 | 5 | 0.00 |
| 11111 | 128301 | 103 |  | 20170103 | 12948103 | Corn Soup |  |  |  |  | 00029328 | 0.00 | 5 | 0.00 |
| 11111 | 128301 | 103 |  | 20170103 | 12948104 | DURIAN PANCAKE | 00392  (10% TOTAL BILL) |  | 0.65 |  |  | 6.50 | 1 | 5.85 |
| ~~11111~~ | ~~128301~~ | ~~103~~ |  | ~~20170103~~ | ~~00392~~ | ~~10% TOTAL BILL~~ |  | ~~00029328~~ |  |  |  | ~~2.00~~ | ~~-5~~ | ~~-10.00~~ |
| ~~11111~~ | ~~128301~~ | ~~103~~ |  | ~~20170103~~ | ~~00392~~ | ~~10% TOTAL BILL~~ |  | ~~12948104~~ |  |  |  | ~~0.65~~ | ~~-1~~ | ~~-0.65~~ |
| 11112 | 182091 | 104 |  | 20170101 | 00029326 | Lemon Tea |  |  |  |  |  | 3.00 | 10 | 30.00 |
| 11112 | 182091 | 104 |  | 20170101 | 00029326 | Lemon Tea | 00398  Buy 1 FOC 1 |  | 3.00 |  |  | 3.00 | 2 | 3.00 |
| ~~11112~~ | ~~182091~~ | ~~104~~ |  | ~~20170101~~ | ~~00398~~ | ~~FOC~~ |  | ~~00029326~~ |  |  |  | ~~3.00~~ | ~~-2~~ | ~~-6.00~~ |
| 11113 | 182091 | 104 |  | 20170101 | 00023013 | Soup |  |  |  |  |  | 10.00 | 1 | 10.00 |
| 11113 | 182091 | 104 |  | 20170101 | 00023013 | Soup |  |  |  | REFUND |  | 10.00 | -1 | -10.00 |
| 11113 | 182091 | 104 |  | 20170101 | 00029326 | Lemon Tea |  |  |  | ENT |  | 0.00 | 3 | 0.00 |
| 11113 | 182091 | 104 |  | 20170101 | 00023013 | Soup |  |  |  | WASTAGE |  | 0.00 | 1 | 0.00 |
| 11113 | 182091 | 104 |  | 20170101 | 00023013 | Soup |  |  |  | FOC |  | 0.00 | 1 | 0.00 |

Mapping to SAP

Integration table (INT) name: SalesTransDetails

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| INT Field Name | SAP Field Name | SAP Field Data Type | Remarks | POS Field Name | POS Data Type |
| FileID | - | - |  | FileID | String(20) |
| DocDate | - | - |  | Business Date | DateTime |
| POSNo | - | - |  | POS No | String(8) |
| POSOutlet | - | - |  | POS Outlet Code | String (8) |
| POSDept | Inv1.U\_Dept | String(100) |  | POS Department | String (100) |
| POSItemCode | Inv1.Itemcode  If config.ItemMapping = ‘Y’, map to [SAP\_POS\_ITEM](#_Item_Master_Mapping), else create item as per POS file except for exception handling as documented in [Refer to customize logic](#_Sales_Transaction_with) | String(50) |  | POS Item Code | String(254) |
| Branch | OINV.BPLId | String (8) | Based on Outlet to retrieve SAPBranch from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| OcrCode | Inv1.OcrCode  [Refer to customized logic](#_Assign_Dimension_1) 5.1 & 5.5 | String (8) | Based on Outlet to retrieve OcrCode from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
|  | Inv1.CogsOcrCod  [Refer to customized logic](#_Assign_Dimension_1) 5.1 & 5.5 | String (8) | Based on Outlet to retrieve OcrCode from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| OcrCode2 | Inv1.OcrCode2  [Refer to customized logic](#_Assign_Dimension_1) 5.1 & 5.5 | String (8) | Based on Outlet and Dept to retrieve OcrCode2 from SAP\_POS\_DEPT  If RevDeptMapping = Y in configuration file |  |  |
|  | Inv1.CogsOcrCod2  [Refer to customized logic](#_Assign_Dimension_1) 5.1 & 5.5 | String (8) | Based on Outlet and Dept to retrieve OcrCode2 from SAP\_POS\_DEPT  If RevDeptMapping = Y in configuration file |  |  |
| WhsCode | Inv1.WhsCode  [Refer to customized logic](#_Warehouse_and_Bin) | String (8) | Based on Outlet to retrieve SAPWHSCode from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| WhsBin | Bin location  [Refer to customized logic](#_Warehouse_and_Bin) | String (50) | Based on Outlet and Dept to retrieve SAPBinLoc from SAP\_POS\_DEPT  If entries not found in SAP\_POS\_DEPT or SAPBinLoc is null, default to bin location which OBIN.”AltSortCod” = ‘Y’  If RevDeptMapping = Y in configuration file |  |  |
| DiscCode | Inv1.U\_DiscCode | String(5) |  | Discount Code | String(5) |
| DiscItem | Inv1.U\_DiscItem | String(20) |  | Discounted Item | String(20) |
| DiscAmt | Inv1.U\_DiscAmt | Numeric | [Refer to customize logic](#_Sales_Transaction_with) | Discounted Amount | Money |
| Adjustment | Inv1.U\_Adjustment | String(20) | Refund, Entertainment, FOC, Wastage which happens during settlement | Adjustment | String (20) |
| SetMealCode | Inv1.U\_SetMealCode | String(20) |  | Set Meal Code | String(20) |
| Price | Inv1.PriceBefDi | Numeric |  | Price | Money |
| QTY | Inv1.Quantity | Numeric |  | QTY | Integer |
|  | Inv1.VatGroup = Item Master default Sales Vat Group | String(8) |  | - | - |
| SubTotal | Inv1.LineTotal | Numeric |  | Subtotal | Money |
| RUpdated | - | - | Only sync into SAP with value = 1 | RUpdated | Boolean |

Fields without data type is not required in POS file

## Daily Collection Summary

|  |  |  |
| --- | --- | --- |
| No | Queries | Answer |
| 1 | Do you have multiple payment mode in single bill? For eg voucher and cash | Yes |
| 2 | Do the payments from POS to SAP go to clearing account or actual bank account directly? | Go to clearing account first. Amount will be transferred to actual bank account after it is cleared. |
| 3 | Is POS integrated into credit card terminal?  If yes –the statement sent back from bank does not have POS number but batch code. This batch code will the reference for bank reconciliation | No. |
| 4 | Is the daily collection file split by outlet, business date?  For eg: One collection file each day for each outlet? | One POS file each business for each outlet |

Sample Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **FILEID** | **Business Date** | **POS No** | **Outlet** | **PAYMENTCODE** | **PAYMENTAMOUNT** | **BATCHCODE** |
| 11109 | 20170101 | 123842 | 102 | HV2 | 45.00  (Amount should be 44.49 if the voucher is free voucher) | Keep field but do not use yet |
| 11110 | 20170101 | 182304 | 108 | UOBVISA | 56.80 |  |
| 11111 | 20170101 | 128301 | 103 | VOUCHER | 100.00 |  |
| 11111 | 20170101 | 128301 | 103 | CASH | 12.15 |  |

Mapping to SAP

Integration table name: CollectionDetails

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| INT DB Field Name | SAP Field Name | SAP Field Data Type | Remarks | POS Field Name | POS Data Type |
| FileID | ORCT.U\_FileID | String(20) |  | FileID | String(20) |
| Branch | ORCT.BPLId | String(8) | Based on POS No to retrieve SAPBranch from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| POSOutlet | ORCT.U\_POSOutlet | String(8) |  | POS Outlet Code | String(8) |
| POSNo | ORCT.U\_POSNo | String(8) |  | POS No | String(8) |
|  | RCT3.CrCardNum | String(8) |  |  |  |
| Outlet | ORCT.U\_Outlet | String(8) | Based on POS Outlet to retrieve SAPOutlet from SAP\_POS\_OUTLET  If OutletMapping = Y in configuration file |  |  |
| BusinessDate | ORCT.DocDate | DateTime |  | Business Date | Datetime |
| PaymentCode | RCT3.CreditCard | String(30) | Based on POS Outlet and POSTenderCode to retrieve SAPTenderCode from SAP\_POS\_PAYMENT  If PayModeMapping = Y in configuration file | Payment Code | String(3) |
| PaymentAmt | RCT3.CreditSum | Numeric |  | Payment Amount | Money |
|  | ORCT.Project = Walk-In | String(50) |  | [Hardcoded] |  |
| BatchCode | RCT3.VoucherNum | String(20) |  | BatchCode (Only available if POS is integrated with credit card terminal) | String(20) |
| RUpdated | - | - | Only sync into SAP with value = 1 | RUpdated | Boolean |
| POSSyncDate (From POS to INT DB) | - | DATETIME |  | - | - |
| Status (From POS to INT DB) (Success, Fail) | - | String(20) |  | - | - |
| ErrorMsg (From POS to INT DB) (If sync fail) | - | String(254) |  | - | - |
| SAPSyncDate (INT DB to SAP DB) | - | DATETIME |  | - | - |
| RCDocEntry  (Written into INT DB after collection are created in SAP) | ORCT.DocEntry |  |  |  |  |

Fields without data type is not required in POS file

# Prerequisite

Prerequisites:

1. Create a backup table for each table mentioned above (sales summary, sales details and Collection Details) with the same table name and suffix “\_Backup”. For eg: CollectionDetails\_Backup
2. If the record is successfully created in SAP, move the record to the backup table. Otherwise, remain in the main integration table.
3. The “Total Gross Amount” of the Daily Sales Summary by outlet ~~and POS Number~~ equals to the Total Payment Amount of the Payment Transaction summary by outlet ~~and POS number~~. Each Outlet and POS that has tender collection will have a sales summary for each concluded business day.
4. Sales will be created as AR Reserved Invoice in SAP. Next day, AR Reserved Invoice will be copied to Delivery Order to cut stock and recognize COGS (posted to the same day as the sales).
5. Each Discount Code and Promotion Code is equivalent to a negative quantity product code except for discount code with “U\_RevType” = ‘Zero’ in item master. This includes Food Wastage, Beverage Wastage, Staff Meal, Entertainment, Beer Shortage Recovery. For these discount code, revenue posted to the item will have zero revenue. Refer to [Sales Transaction with Customized Discount](#_Sales_Transaction_with)
6. Sales Transaction summary will be grouped by Item Code and Discount/Promotion Code. For eg: If there are 2 x Jasmine Tea and 3 x Jasmine Tea in separate transactions, they will appear as 5 x Jasmine Tea in POS file unless the discount code is different.
7. No credit note handling is required. If the bill is void, the transaction will not exist in the POS file for integration.
8. If the bill is cancelled only after it is settled in POS, manual adjustment will be done manually in SAP to cancel the incoming payment and invoice.
9. POST SEND VOIDS to be sent over with discount code ‘POSTV’. This happens when order has been processed and needs to be void.
10. All prices sent to SAP are prices before Tax and service charges.
11. Tax applied is consistent for that item for all sales in the same entity. For example GST is applied to ALL items in SG entities.

Assumptions:

1. The payment and invoice amount for each POS at each outlet tallies.

# Customized Logic:

## Assign Dimension 1 & 2 for every line in Sales Invoice Transaction

* **Set OcrCode & COGSOcrCod = OcrCode based on mapping in SAP\_POS\_OUTLET**
* Set OcrCode2 & COGSOcrCod2 = OcrCode2 based on mapping in SAP\_POS\_DEPT using POSOutletCode and POSDept in sales transaction details. If no entry found in SAP\_POS\_DEPT, OcrCode2 & COGSOcrCod2 will be null. If entry can be found in SAP\_POS\_DEPT table but OcrCode2 is null, error should be thrown.
* The key to extract OcrCode from SAP\_POS\_OUTLET is POSOutletCode in sales transaction details
* The key to extract OcrCode2 from SAP\_POS\_DEPT is POSOutletCode and POSDept in sales transaction details

## Warehouse and Bin location

* All items will be stored in 1 location in each outlet unless they are controlled items like Abalone, Sharkfin, Poultry, Pork, etc. For these controlled items, they will be stored under the department that ordered for them.
* Warehouse code is always the outlet, extracted from SAP\_POS\_OUTLET SAPWHSCode based on POSOutletCode
* Bin location is defaulted to ‘STORE’ bin location for the warehouse/outlet [SAPWHSCode]-STORE (AltSortCod = Y) if Dept is null in Sales Transaction Details.
* If Dept is not null in Sales Transaction Details and the item is a controlled item, OITM.QryGroup5 = ‘Y’, Bin location will be Department, equivalent to SAPBinLoc from SAP\_POS\_DEPT table based on POSOutletCode and POSDept in sales transaction details. Otherwise if OITM.QryGroup5 = ‘N’, bin location is STORE (AltSortCod = Y)

## Data assignment for Payment Transaction

* Creating incoming payment
* Payment means is always credit card
* Credit Card Name will be obtained from Payment Mode table (Code will be available in Integration SAP\_POS\_PAYMENT Table)
* Validity Date is always 12/9999
* BatchCode in the following 2 points refers to the Credit Card Terminal number that is linked to the POS machines
* If BatchCode is not given in POS file, voucher number in SAP = SAPOutlet-SAPSubOutlet-DATE

(For eg: AV-BAR-26092014)

If SAPSubOutlet is empty, SAPOutlet -DATE (For eg: HV-26092014)

* If BatchCode is given in POS file, voucher number in SAP = BatchCode
* Credit card number is always the POS no.
* Payment will go to clearing account based on the clearing account credit card – setup in SAP

## Data assignment for Sales Transaction

* Customer Ref No. of the invoice is SAPOutlet-DATE-POSNO.

## Sales Transaction with Sales BOM

Parent (COGS Acct = 500022)

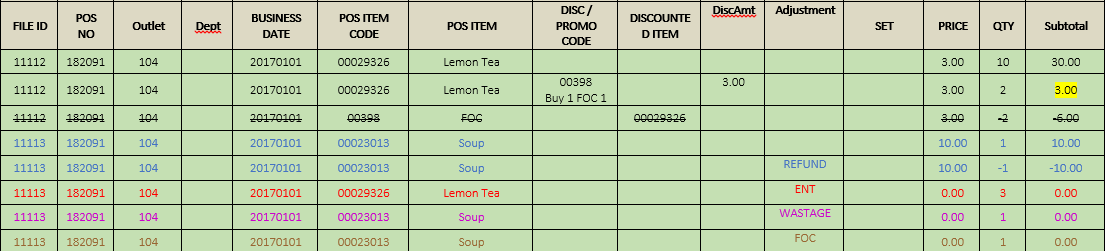
* Child 1 (COGS Acct = 500021) => change to COGS Acct 500022
* Child 2 (COGS Acct = 500023) => change to COGS Acct 500022

In this example, there is a sales BOM with COGS Account 500022. The children are assigned with other COGS Account.

When the sales transaction line is created, the COGS account of all children must be changed to the parent’s COGS account.

## Sales Transaction with Zero Settlement

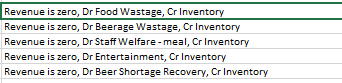
* This happens only during settlement which the bill will not be paid.
* Based on sales\_transaction\_details.Adjustment to retrieve “U\_RevType” in item master. If ItemMapping = ‘Y’ in configuration file, item code needs to be mapped from SAP\_POS\_ITEM
* If U\_RevType in item master is “Zero” where revenue will be recognized as zero. For eg ENT, WASTAGE, FOC



* + The unit price, quantity and line total (Subtotal) should be created as per POS file

Dr AR 0, Cr revenue 0, Dr food wastage $$, Cr inventory $$

* + Cogs account is the cost of goods sold account set in item groups of the items is the disc code (Food Wastage, Beverage Wastage, Staff Meal, Entertainment, Beer Shortage Recovery).



* + If this item is a sales BOM and has children, the parent COGS account change to cost of goods sold account based on the discount items’ item groups. The children COGS account change to be the same as the parent’s COGS account
* If U\_RevType in item master is “Full” where revenue will be recognized as full (Currently not applicable to YSQ FnB)
* The line total will be as per unit price \* quantity (2.80)
* Create additional line item, the item code should be Disc/Promo Code (00391) and the quantity is -1, unit price will be DiscAmount (2.80)

Dr AR 2.80, Cr Sales 2.80, Dr Cogs $$, Cr Inventory $$

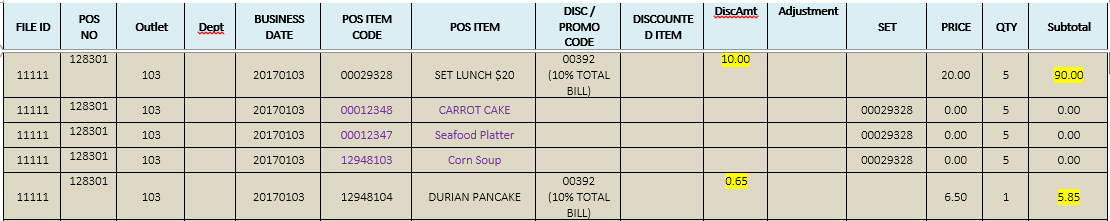
* In the negative quantity line, discount goes to discount allowed based on item master G/L determination

Cr AR -2.80, Dr discount allowed -2.80

* If this item is a sales BOM and has children, logic same as 5.5
* If Adjustment = REFUND
  + Change the item code to the item code as mentioned in Adjustment column
  + Quntity should be negative, so is the line total
  + Sales account is the revenue account set in item groups of the items in POS Item Code
  + Cogs account is the cost of goods sold account set in item groups of the item in the Adjustment column.

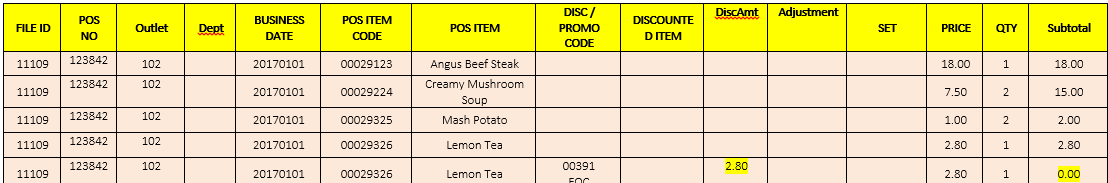
## Sales Transaction with Customized Discount

* Each discount code will be created as an item master in SAP.
* Based on sales\_transaction\_details.discountcode to retrieve “U\_RevType” in item master. If ItemMapping = ‘Y’ in configuration file, item code needs to be mapped from SAP\_POS\_ITEM
* If U\_RevType in item master is “Others” where revenue will be recognized as discounted value. For eg 10% OFF



* + The unit price and quantity as per POS file, (unit price $20.00 and quantity = 5)
  + Line total should be as per Subtotal in POS file ($90.00) 🡪 Discount percentage will be automatically calculated by SAP

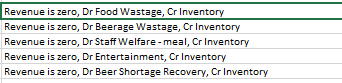
• If U\_RevType in item master is “Zero” where revenue will be recognized as zero. For eg DPOSTV, Food Wastage, Staff Meal, Entertainment, FOC item



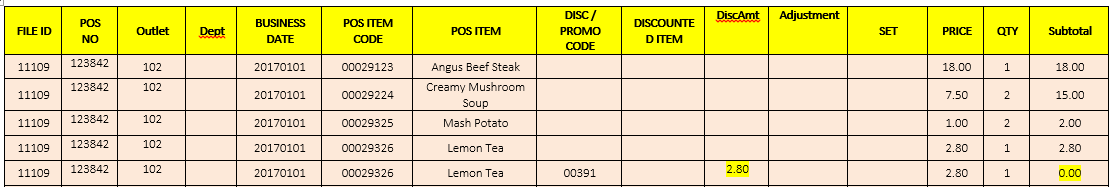
* + The unit price, quantity and line total (Subtotal) should be created as per POS file

Dr AR 0, Cr revenue 0, Dr food wastage $$, Cr inventory $$

* + ~~The negative quantity line where item code = discount code and U\_Disc = ‘Y’ with U\_RevType = ‘Zero’ should not be created in SAP.~~
  + Cogs account is the cost of goods sold account set in item groups of the items is the disc code (Food Wastage, Beverage Wastage, Staff Meal, Entertainment, Beer Shortage Recovery).



* + If this item is a sales BOM and has children, the parent COGS account change to cost of goods sold account based on the discount items’ item groups. The children COGS account change to be the same as the parent’s COGS account
* If U\_RevType in item master is “Full” where revenue will be recognized as full (Currently not applicable to YSQ FnB)



* The line total will be as per unit price \* quantity (2.80)
* Create additional line item, the item code should be Disc/Promo Code (00391) and the quantity is -1, unit price will be DiscAmount (2.80)
* ~~both positive and negative quantity line needs to be captured in SAP~~
* ~~In the positive quantity line where item code = discount code and U\_Disc = ‘Y’ with U\_RevType = ‘Full’, revenue will be captured as full. The linetotal will be Subtotal in POS file~~

Dr AR 2.80, Cr Sales 2.80, Dr Cogs $$, Cr Inventory $$

* In the negative quantity line, discount goes to discount allowed based on item master G/L determination

Cr AR -2.80, Dr discount allowed -2.80

* If this item is a sales BOM and has children, logic same as 5.5

# Half Hourly Views

Consolidated item Sales and discounts at the ordering time by the Half hour are required to be sent as a separate table to the integration database.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Half Hour** | **Outlet Concept (Attribute 1)** | **Outlet Code** | **Outlet Name (Attribute 2)** | **Promotion Code** | **Discount Code** | **Take out / DINE IN** | **Member/Non Member** | **SUB CATEGORY** | **Group1 (Food/ Beverage / Merchandize)** | **Item Code** | **Item Description** | **Sales Revenue** | **ESTIMATED Cost** | **Covers** | **Quantity** | **Discount** |
| 01-Mar-17 | 12:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | BEER | Beverage | 10001 | Carlsberg 1/2 Pint | 300 | 100 | 3 | 20 | 10 |
| 01-Mar-17 | 12:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Beer | Beverage | 10001 | Carlsberg 1/2 Pint | 200 | 10 | 0.7 | 2 | 5 |
| 01-Mar-17 | 12:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT | Member | WHITE WINE | Beverage | 20001 | Shiraz | 200 | 120 | 0.5 | 30 | 0 |
| 01-Mar-17 | 12:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 220001 | PI PA JI | 100 | 40 | 2.5 | 8 | 0 |
| 01-Mar-17 | 12:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 | Carlsberg 1/2 Pint | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 12:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Beer | Beverage | 10001 | Carlsberg 1/2 Pint | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 12:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT | Member | WHITE WINE | Beverage | 220001 | Shiraz | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 12:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 | PI PA JI | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 13:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 13:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Beer | Beverage | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 13:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 13:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 14:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 14:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Beer | Beverage | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 14:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 14:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 14:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 14:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 14:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 14:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 15:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 15:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 15:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 15:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 15:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 15:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 15:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 15:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 16:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 16:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 16:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 16:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 16:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 16:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 16:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 16:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 17:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 17:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 17:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 17:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 17:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 17:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 17:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 17:30 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 01-Mar-17 | 18:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 01-Mar-17 | 18:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 01-Mar-17 | 18:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 01-Mar-17 | 18:00 | CANTONESE | CCGWCY | Imperial Treasure Cantonese Cuisine PL c/o GWC |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 12:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 12:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 12:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 12:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 12:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 12:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 12:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 12:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 13:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 13:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 13:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 13:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 14:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 14:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 14:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 14:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 14:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 14:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 14:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 14:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
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| 02-Mar-17 | 15:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 15:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 15:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 15:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 15:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 15:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 15:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 16:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 16:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 16:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 16:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 16:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
| 02-Mar-17 | 16:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD201 | DINE IN | Non Member | Fish | Food | 10001 |  | 20 | 10 | 2 | 2 | 5 |
| 02-Mar-17 | 16:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  |  | TAKE OUT CALL | Member | WHITE WINE | Beverage | 220001 |  | 200 | 120 | 16 | 30 | 0 |
| 02-Mar-17 | 16:30 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 |  | HD231 | DINE IN | Non Member | Chicken | Food | 20001 |  | 100 | 40 | 6 | 8 | 0 |
| 02-Mar-17 | 17:00 | NANBEI | NBTAM1 | Imperial Treasure Nan Bei Restaurant PL-Tampines 1 | 00019 |  | TAKE OUT | Non Member | Beer | Beverage | 10001 |  | 300 | 100 | 15 | 20 | 10 |
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# Acknowledgement

By signing this page, **YSQ F&B Pte Ltd** acknowledges that this document accurately represents the requirement of **YSQ F&B Pte Ltd** and that this document is the base for the POS integration.

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| --- | --- | --- |
| **Definition** | **Name** | **Signature and Date** |
| Client Project Sponsor |  |  |
| Client Project Manger |  |  |
| Finance Department |  |  |
| Sales Department |  |  |

For and on behalf of Confirmed and Agreed by:

**Abeo International Pte Ltd YSQ F&B Pte Ltd**

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Authorized Signature & Company Stamp Authorized Signature & Company Stamp

Name: Yvaine Kong Name:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title: Consultant Title:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: 13/4/2017 Date:

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