

Solution Mapping and Technical Design Document

**Project: Philippine MAPS**

**Clarity Project ID#: CRQ000000037217**

Changes in the daily billing extract for commission and returns

**Signoff**

Filename: Solution Mapping&Tech Design

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| --- | --- | --- | --- |
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\* Include Additional Names for signoff as appropriate.

**Document Information and Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 15/10/2010 | Ummi | Initial documentation |
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# INTRODUCTION

Purpose

This document sets out a mutual understanding between the Country Project Leads, the Global IT Leads and the Malaysia COE on the business requirements of Item Data Management and the proposed Axapta solution.

The purpose of the Solution Mapping and Technical Design document is to:

* Ensure the critical flows and processes are mutually understood by all parties
* Map the business processes to the core Avon Axapta application and describe the proposed solutions
* Identify areas of concern where business requirements are not supported and describe the solutions for closing these gaps
* Document the technical requirements for the identified modifications

This document specifies:

* Business requirement description and solution mapping
* Program specification – Describes the change required and coding specifications
* Solution flow - system/program flow
* Table design – specifies required tables and fields for updates/inserts/deletes
* Screen design – existing screens/prototype related to the change
* Access rights – access rights and security/configuration design
* Layer – application of the changes to code layer in Axapta
* Development estimates
* Question and Answer - questions to users/SME/Developer

Scope

This documentation covers on Solution Mapping and Technical Design for Change Request Daily Billing

Related Documents

| **Document Identifier** | **Title** | **Version/ status** |
| --- | --- | --- |
|  | CRQ000000037217CRQ\_PH\_MAPS\_Daily\_Billing\_Changes\_In\_Extract\_Commission\_&\_Returns\_V1.0.doc | 1.0 |

# Overview

This documentation contains the solution Mapping and Technical Documentation based on

Change Request to change in the daily billing extract for commission and returns file.

Business Requirements (For Local IT/Business User) (Mandatory input)

| Requirement Description |
| --- |
| **1. Commission**  **Current Computation:**  Commission= ((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt)  **Revised Computation:**  **a. For AVITEMCATEGORY in('CFT','NCFT','HERBALCARE')**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .25**  **b.For ITEMCATEGORY= HOMESTYLE**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .10**  **c.For** **ITEMCATEGORY In (OTHERS,ZNCFTNODIS,ZCFTNODIS,ZHERBNODIS)**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt)  2. *To exclude returns in the Daily billing Extracts. Criteria for the extract should be Ordertype In(1,2) and remove the criteria salesqty > 0*  *3. Change in CER criteria – the criteria set in the daily billing program is getting the JUNE CER for C7 Campaign. Since AVDLRCAMPGROUP is in a by month, the program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.*  **Current Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201006'),1,6)  )  **Revised Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201004'),1,6)  )  4. Change in getting the discount bracket – same as the change in CER, DISCTDSALES is also in a by month and not by campaign. Daily billing program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.  **Current Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201006')  **Revised Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201004') |

Solution Mapping (For Local IT/Business User) (Mandatory input)

| Solution Mapping | Gap / Enhancement |
| --- | --- |
| Revised Commission Computation: | **a. For AVITEMCATEGORY in('CFT','NCFT','HERBALCARE')**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .25**  **b. For ITEMCATEGORY= HOMESTYLE**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .10**  **c. For** **ITEMCATEGORY In (OTHERS,ZNCFTNODIS,ZCFTNODIS,ZHERBNODIS)**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) |
| To exclude returns | *To exclude returns in the Daily billing Extracts. Criteria for the extract should be Ordertype In(1,2) and remove the criteria salesqty > 0* |
| Change in CER criteria | *Change in CER criteria – the criteria set in the daily billing program is getting the JUNE CER for C7 Campaign. Since AVDLRCAMPGROUP is in a by month, the program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.*  **Current Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201006'),1,6)  )  **Revised Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201004'),1,6)  ) |
| Change in getting the discount bracket | Change in getting the discount bracket – same as the change in CER, DISCTDSALES is also in a by month and not by campaign. Daily billing program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.  **Current Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201006')  **Revised Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201004') |

Table Design

| Table Name | Field Name | Format | Business Name | Business Description | Layer |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

\*\*No changes on table required

Screen Design

|  |
| --- |
| Screen design |
|  |

Program Specifications

| Program Specifications | Description | Technical Specification |
| --- | --- | --- |
| Revised Commission Computation: | **a. For AVITEMCATEGORY in('CFT','NCFT','HERBALCARE')**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .25**  **b. For ITEMCATEGORY= HOMESTYLE**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) **+ (PH\_CPSPRICE \* SALESQTY) \* .10**  **c. For** **ITEMCATEGORY In (OTHERS,ZNCFTNODIS,ZCFTNODIS,ZHERBNODIS)**  Commission=((((BaseSalesAmt /1.12 \* IntCTDRate) - DiscountAmt)\* OnTimeCER/100)+ DiscountAmt) | Put in the query in yellow color  Query:  SELECT OFFERCAMP, SALESCAMP, MAPSLINENUM, FSCCODE, 1 TRANSTYPE, OFFERTYPE, OFFERPRICE, REGULARPRICE, SUM(QTY), SUM(round(BASESALESAMT,6)),  (CASE WHEN AvItemCategory ='HOMESTYLE'  THEN SUM(round(Commission,6)) + (OFFERPRICE \* SUM(QTY)) \* .10  WHEN AvItemCategory IN ('CFT','NCFT','HERBALCARE')  THEN SUM(round(Commission,6)) + (OFFERPRICE \* SUM(QTY)) \* .25  WHEN AvItemCategory IN ('OTHERS','ZNCFTNODIS','ZCFTNODIS','ZHERBNODIS')  THEN SUM(round(Commission,6))  ELSE 0 END) Commission, SUM(round(Tax,2))  FROM (  SELECT AA.OFFERCAMP, AA.SALESCAMP, AA.MAPSLINENUM, AA.FSCCODE, AA.TRANSTYPE, AA.OFFERTYPE, AA.OFFERPRICE, AA.REGULARPRICE, AA.QTY,  AA.BASESALESAMT BASESALESAMT, AA.DISCOUNTAMT DISCOUNTAMT, AA.DISTID, AA.PRODUCTDISCOUNTGROUPID,  (((((AA.BASESALESAMT/1.12 \* (nvl(CC.CTDDiscRate,0)/100)) - AA.DISCOUNTAMT) \* nvl(BB.AvOnTimeCER,0)) / 100) + AA.DISCOUNTAMT) Commission,  AA.Tax Tax, AA.AvItemCategory  FROM (  SELECT decode(a.ordertype, 2, e.AvCampaignId, b.brochurecampaign) offercamp,  e.AvCampaignId salescamp, Ltrim(to\_char(b.fsc, '00000')) mapslinenum,  b.fsc fscCode, a.ordertype transtype, d.avbrochuretype offertype, b.ph\_cpsprice offerprice,  f.avregularprice regularprice, SUM(b.salesqty) qty, SUM(b.vat) Tax, SUM(b.basesalesamt) basesalesamt,  SUM(b.discountamt) discountamt, a.distid distid, b.productdiscountgroupid productdiscountgroupid,  f.AvItemCategory AvItemCategory  FROM salesorder a, salesdetail b, pricedisctable d, inventtable f,  (SELECT Distinct AvCampaignId  FROM AvTimePeriod  WHERE substr(nls\_lower(DataAreaId),1,3) = substr(nls\_lower('845'),1,3)  AND AvTPDate BETWEEN to\_date('4/1/2010','mm/dd/yyyy') AND to\_date('4/15/2010','mm/dd/yyyy') ) e  WHERE a.orderno = b.orderno  AND b.fsc = D.ItemRelation  AND a.storeId in  (SELECT StoreId  FROM SalesOrder  WHERE salesdate BETWEEN to\_date('4/1/2010','mm/dd/yyyy') AND to\_date('4/15/2010','mm/dd/yyyy')  AND distid = a.distId)  AND a.ordertype in (1,2)  AND substr(nls\_lower(D.DataAreaId),1,3) = substr(nls\_lower('845'),1,3)  AND substr(nls\_lower(D.AvCampaignId),1,6) = substr(nls\_lower(b.brochurecampaign),1,6)  AND substr(nls\_lower(D.ItemRelation),1,20) = substr(nls\_lower(B.FSC),1,20)  AND substr(nls\_lower(f.DataAreaId),1,3) = substr(nls\_lower('845'),1,3)  AND substr(nls\_lower(f.ItemId),1,20) = substr(nls\_lower(D.ItemRelation),1,20)  AND f.AVPRODUCTLIFECODE in ('1','2')  AND f.MODELGROUPID = 'TS'  AND f.AVITEMSTATUS not in(chr(2),'N')  AND f.AvItemSubCategory not in  ('FDREGISTER','OLDMACPAC','OTHBROC-10','OTHBROC-11','OTHBROC-12',  'OTHBROCH-1','OTHBROCH-2','OTHBROCH-3','OTHBROCH-4','OTHBROCH-5',  'OTHBROCH-6','OTHBROCH-7','OTHBROCH-8','OTHBROCH-9','OTHCALENDR',  'OTHCATALOG','OTHDELBAG','OTHEMPBAG','OTHFDKIT','OTHFMTRNG',  'OTHINCALNC','OTHINCCSMK','OTHINCCSSL','OTHINCPRIZ','OTHINCPRMK',  'OTHKITLIT','OTHNASCON','OTHORDBOOK','OTHRECBOOK','OTHSLDERFD',  'OTHSLDERFM','OTHSLEADER','OTHSLSAIDS','OTHTRA','DUMMY')  AND a.salesdate BETWEEN to\_date('4/1/2010','mm/dd/yyyy') AND to\_date('4/15/2010','mm/dd/yyyy')  GROUP BY a.distid, b.productdiscountgroupid, b.brochurecampaign,a.brochurecampaign,  b.fsc, a.ordertype, d.avbrochuretype, b.ph\_cpsprice, f.avregularprice, b.vat,  b.basesalesamt, b.discountamt, e.AvCampaignId, f.AvItemCategory  ) AA,  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6) =SUBSTR(NLS\_LOWER('201004'),1,6)  ) BB,  (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201004'  ) CC  WHERE  AA.DIstID = BB.CustAccount(+)  AND AA.DIstID = CC.DistID(+)  AND AA.productdiscountgroupid = BB.AvItemClassID(+)  AND AA.productdiscountgroupid = CC.ProductDiscountGroupID(+) )  GROUP BY OFFERCAMP, SALESCAMP, MAPSLINENUM, FSCCODE, OFFERTYPE, OFFERPRICE, REGULARPRICE, AvItemCategory  Having SUM(QTY) > 0 |
| To exclude returns | *To exclude returns in the Daily billing Extracts. Criteria for the extract should be Ordertype In(1,2) and remove the criteria salesqty > 0* | Put in the query above in green color |
| Change in getting the discount bracket | *Change in CER criteria – the criteria set in the daily billing program is getting the JUNE CER for C7 Campaign. Since AVDLRCAMPGROUP is in a by month, the program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.*  **Current Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201006'),1,6)  )  **Revised Criteria:**  (SELECT CustAccount,AvOntimeCER, AvItemClassID  FROM bmssa.AvDlrCampGroup  WHERE SUBSTR(NLS\_LOWER(DataAreaID),1,3) = SUBSTR(NLS\_LOWER('845'),1,3)  AND SUBSTR(NLS\_LOWER(AvCampaignID),1,6)=SUBSTR(NLS\_LOWER('201004'),1,6)  ) | Put in the query above in Pink color |
| Tax Computation | Change in getting the discount bracket – same as the change in CER, DISCTDSALES is also in a by month and not by campaign. Daily billing program should get the current month of the campaign. In this case we should get the APRIL CER. Please see sample below.  **Current Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201006')  **Revised Criteria:**    (SELECT DistID,ProductDiscountGroupID,CTDDiscRate  FROM DISCCTDSALES  WHERE Campaign = '201004') | Put in the query above in Blue color |

Access Rights

| User role | Full access | Creator | Editor | Viewer | No Access |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

See Security Requirements document for full access rights

Development Estimates

| Development Estimates | | |
| --- | --- | --- |
| Task ID | Description | Estimate |
| 1 | Coding | 8 hours |
| 2 | Unit Testing | 8 hours |
| 3 | Documentation | 8 hours |

Error Handling for exception/failure process control (Mandatory input)

Identify any negative error handle for exception handling such as error log output/pop up error.

Test Scenario (Mandatory Input)

Please attach business test scenario.

Precaution during UAT Testing Phase (Mandatory input)

Please indicate what is require for their extra step of test during UAT.

Question and Answer (Supporting Document)

Appendix 1