**Program: Z\_RSCRM\_START**

**(Program to run RSCRM\_BAPI job on process chain)**

REPORT Z\_RSCRM\_START.

\*$\*$-------------------------------------------------------------------

\* Author: Bhagavan Chintalapalli

\* Creation Date: 04.22.2010

\* Component Function: Executable program for BAPI

\* SCR : BWR489-001

\* Correction No: D40K917038

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : Executable program for BAPI

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data: N/A

\* Errors: N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : 1-6 Text messages

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\*----------------------------------------------------------------------\*

\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\* Modified by: Bhagavan Chintalapalli

\* Modification Date: 05/03/2010

\* Tower : Business Warehouse

\* Team : Business Warehouse

\* Correction No: D40K917074

\* DER: BWR489

\* SCR: 003

\* Phase: N/A

\* Description: Executable program for BAPI

\*-----------------------------------------------------------------------

parameter: p\_bid TYPE sysuuid\_c.

\*Begin of D40K917074

Constants: C\_E(1) VALUE 'E',

 C\_S\_XMI\_PROD(10) Value 'S\_XMI\_PROD',

 C\_TIDAL(5) VALUE 'TIDAL',

 C\_EXTCOMPANY(10) VALUE 'EXTCOMPANY',

 C\_EXTPRODUCT(10) VALUE 'EXTPRODUCT',

 C\_INTERFACE(9) VALUE 'INTERFACE',

 C\_Scheduler(9) VALUE 'Scheduler',

 C\_XBP(3) VALUE 'XBP'.

\* Check - authorization

AUTHORITY-CHECK

 OBJECT C\_S\_XMI\_PROD

 ID C\_EXTCOMPANY FIELD C\_TIDAL

 ID C\_EXTPRODUCT FIELD C\_Scheduler

 ID C\_INTERFACE FIELD C\_XBP.

IF sy-subrc <> 0.

 MESSAGE text-100 TYPE C\_E.

ENDIF.

START-OF-SELECTION.

\*End of D40K917074

 CALL METHOD cl\_rscrmbw\_bapi=>exec\_rep\_in\_batch

 EXPORTING

 i\_barepid = p\_bid.

**Program: Z40BWZ\_JANUARY\_CUR\_YR**

\*&---------------------------------------------------------------------\*

\*& Report Z\_JANUARY\_CUR\_YR

\*&---------------------------------------------------------------------\*

REPORT Z40BWZ\_JANUARY\_CUR\_YR.

\*$\*$-------------------------------------------------------------------

\* Author: Marc Charbonneau

\* Creation Date: 1-17-2011

\* Component Function: z\_january\_cur\_yr

\* SCR : BWR538-002

\* Correction No: D40K918196

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : pgm for z\_january\_cur\_yr formula variable

\* for characteristic 0calmonth

\* returns current year/& sets month to

\* January when executing a query

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Errors : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : 1-6 Text messages

\* ---------------------------------------------------------------------

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\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\*----------------------------------------------------------------------\*

form Z40SUB\_z\_january\_cur\_yr tables P\_ETRANGE structure RRRANGESID.

Constants: c\_eq(2) value 'EQ', " for equals

 C\_i(1) value 'I', " for include

 c\_1(1) value '1',

 c\_07(2) value '07', " for system day compare

 c\_01(2) value '01', " for system month compare

 C\_jan(2) value '01'. " for associated month

Data: z\_sys\_date like sy-datum ,

 z\_sys\_day type i,

 z\_sys\_year type i,

 z\_sys\_month type i,

 z\_sys\_year\_mth(6) type c.

\*Code

 z\_sys\_date = sy-datum. " current system date

 z\_sys\_day = z\_sys\_date+6(2). " extract & assign day

 z\_sys\_month = z\_sys\_date+4(2). " extract & assign month

 z\_sys\_year = z\_sys\_date+0(4). " extract & assign year

 z\_sys\_year\_mth+0(4) = z\_sys\_year. " assign default year

 if z\_sys\_month = c\_01. " if january

 if z\_sys\_day <= c\_07. " if in 1st 7 days

 z\_sys\_year\_mth+0(4) = z\_sys\_year - c\_01. " set year to last year

 endif.

 endif.

 z\_sys\_year\_mth+4(2) = c\_jan. " assign corresponding month

 p\_etrange-sign = c\_i. " populate output for query

 P\_etrange-opt = c\_eq.

 P\_etrange-low = z\_sys\_year\_mth.

 Append p\_etrange.

Endform.

\*&---------------------------------------------------------------------\*

\*& Report Z\_FEBRUARY\_CUR\_YR

\*&---------------------------------------------------------------------\*

**Program: Z40BWZ\_FEBRUARY\_CUR\_YR.**

REPORT Z40BWZ\_FEBRUARY\_CUR\_YR.

\*$\*$-------------------------------------------------------------------

\* Author: Marc Charbonneau

\* Creation Date: 1-17-2011

\* Component Function: z\_february\_cur\_yr

\* SCR : BWR538-002

\* Correction No: D40K918196

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : pgm for z\_february\_cur\_yr formula variable

\* for characteristic 0calmonth

\* returns current year/& sets month to

\* February when executing a query

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Errors : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : 1-6 Text messages

\* ---------------------------------------------------------------------

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\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\*----------------------------------------------------------------------\*

form Z40SUB\_z\_february\_cur\_yr tables P\_ETRANGE structure RRRANGESID.

Constants : c\_eq(2) value 'EQ', " for equals

 C\_i(1) value 'I', " for include

 c\_1(1) value '1',

 c\_07(2) value '07', " for system day compare

 c\_01(2) value '01', " for system month compare

 C\_feb(2) value '02'. " for associated month

Data: z\_sys\_date like sy-datum ,

 z\_sys\_day type i,

 z\_sys\_year type i,

 z\_sys\_month type i,

 z\_sys\_year\_mth(6) type c.

\*Code

 z\_sys\_date = sy-datum. " current system date

 z\_sys\_day = z\_sys\_date+6(2). " extract & assign day

 z\_sys\_month = z\_sys\_date+4(2). " extract & assign month

 z\_sys\_year = z\_sys\_date+0(4). " extract & assign year

 z\_sys\_year\_mth+0(4) = z\_sys\_year. " assign default year

 if z\_sys\_month = c\_01. " if january

 if z\_sys\_day <= c\_07. " if in 1st 7 days

 z\_sys\_year\_mth+0(4) = z\_sys\_year - c\_01. " set year to last year

 endif.

 endif.

 z\_sys\_year\_mth+4(2) = c\_feb. " assign corresponding month

 p\_etrange-sign = c\_i. " populate output for query

 P\_etrange-opt = c\_eq.

 P\_etrange-low = z\_sys\_year\_mth.

 Append p\_etrange.

Endform.

**Z40BWZCMP\_ENGD\_MAXDT**

REPORT z40bwzcmp\_engd\_maxdt.

\*$\*$-------------------------------------------------------------------

\* Author : Sunil Bang - XLTL001

\* Program : Z40BWZCMP\_ENGD\_MAXDT

\* Creation Date : 08-10-2010

\* Component Function : Reporting variable ZCMP\_ENGD\_MAXDT the variable will

\* return the Max Date of InfoCube ZCMP\_ENGD

\* DER : BWR399 SCR: 010

\* Correction No : D40K917503

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : Program Z40BWZCMP\_ENGD\_MAXDT will return the

\* : Max Date of InfoCube ZCMP\_ENGD

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : None

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\* Modified By : Sunil Bang

\* Modification Date : 08/10/2010

\* Tower : Business Intelligence

\* Team : Business Warehouse

\* Correction No : D40K917503 Task No: D40K917504

\* DER : BWR399 SCR: 010

\* Desc : Reporting variable ZCMP\_ENGD\_MAXDT the variable

\* will return the Max Date of InfoCube ZCMP\_ENGD

\*----------------------------------------------------------------------\*

FORM z40sub\_zcmp\_engd\_maxdt TABLES p\_etrange STRUCTURE rrrangesid.

 DATA: v\_date\_out LIKE sy-datum,

 v\_max\_date LIKE /bic/dzcmp\_engdt-sid\_0calday,

 v\_date\_tmp(8) TYPE c.

 CONSTANTS:c\_opt(2) TYPE c VALUE 'EQ',

 c\_sign(1) TYPE c VALUE 'I'.

 CLEAR: v\_date\_out.

\* Full table scan used on table /bic/dZCMP\_ENGDt

 SELECT MAX( sid\_0calday ) FROM /bic/dzcmp\_engdt INTO v\_max\_date.

 v\_date\_tmp = v\_max\_date.

 v\_date\_out = v\_date\_tmp.

 p\_etrange-sign = c\_sign.

 p\_etrange-opt = c\_opt.

 p\_etrange-low = v\_date\_out.

 APPEND p\_etrange.

 CLEAR p\_etrange.

ENDFORM. "z40sub\_ZCMP\_ENGD\_maxdt

**PROGRAM: Z40BWSTATUS\_REPORT**

\*&---------------------------------------------------------------------\*

\*& Report Z40BWSTATUS\_REPORT

\*&

\*&---------------------------------------------------------------------\*

\*&

\*&

\*&---------------------------------------------------------------------\*

report z40bwstatus\_report.

type-pools : slis.

\*\*\*\*\*\*\*\*\*\*TABLES\*\*\*\*\*\*\*\*\*\*\*\*\*

tables: rsreqdone,

 rsmonictab,

 rsdcube,

 rsldpio,

 rspcchain,

 rspcchaint,

 rsmonicdp,

 rsdcubet,

 rsdodsot.

\*ALV data declarations

data: it\_fieldcatalog type slis\_t\_fieldcat\_alv with header line,

 wa\_tab\_group type slis\_t\_sp\_group\_alv,

 wa\_layout type slis\_layout\_alv,

 wa\_repid like sy-repid,

 wa\_events type slis\_t\_event,

 wa\_prntparams type slis\_print\_alv,

 v\_repid type sy-repid.

types: begin of ty\_monitor,

 rnr like rsreqdone-rnr, "Request number

 logdpid like rsreqdone-logdpid, "InfoPackage (ID)

 tstatus like rsreqdone-tstatus, "Request status

 datum like rsreqdone-datum, "Start date

 uzeit like rsreqdone-uzeit, "Start time

 tdatum like rsreqdone-tdatum, "End date

 tuzeit like rsreqdone-tuzeit, "End time

 records like rsreqdone-records, "Records

 source like rsldpio-source, "InfoSource

 logsys like rsldpio-logsys, "Source System

 objvers like rsldpio-objvers,

 end of ty\_monitor.

types: begin of ty\_final,

 infocube like rsmonictab-infocube, "Info Provider

 txtsh like rsdcubet-txtlg, "Description

 chainid like rspcchain-chain\_id, "process chain

 txtlg like rspcchaint-txtlg, "Process chain desc

 logdpid like rsreqdone-logdpid, "InfoPackage (ID)

 text like rsldpiot-text,

 tstatus like rsreqdone-tstatus, "Request status

 tstatcode like rsreqdone-tstatus, " Status code

 datum like rsreqdone-datum, "Start date

 uzeit like rsreqdone-uzeit, "Start time

 tdatum like rsreqdone-tdatum, "End date

 tuzeit like rsreqdone-tuzeit, "End time

 records like rsreqdone-records, " Transferred Records

 recordsa like rsreqdone-records, "Added Records

 source like rsldpio-source, "InfoSource

 logsys like rsldpio-logsys, "Source System

 objvers like rsldpio-objvers,

 infoarea like rsdcube-infoarea,

\* viewed(6) TYPE c,

 dt\_type(4) type c,

 end of ty\_final.

types: begin of ty\_rsldpiot,

 logdpid like rsldpiot-logdpid,

 text like rsldpiot-text,

 end of ty\_rsldpiot.

types: begin of ty\_rsdodso,

 odsobject like rsdodso-odsobject,

 infoarea like rsdodso-infoarea,

 end of ty\_rsdodso.

data : it\_monitor type standard table of ty\_monitor,

 wa\_monitor type ty\_monitor,

 it\_final type standard table of ty\_final,

 wa\_final type ty\_final,

 it\_rsiccont type standard table of rsiccont,

 wa\_rsiccont type rsiccont,

 it\_rsmonictab type standard table of rsmonictab,

 wa\_rsmonictab type rsmonictab,

 it\_rsdcube type standard table of rsdcube,

 wa\_rsdcube type rsdcube,

 it\_rsdcubet type standard table of rsdcubet,

 wa\_rsdcubet type rsdcubet,

 it\_rsmdatastate type standard table of rsmdatastate,

 wa\_rsmdatastate type rsmdatastate,

 it\_rsdodso type standard table of ty\_rsdodso,

 wa\_rsdodso type ty\_rsdodso,

 it\_rsodsactreq type standard table of rsodsactreq,

 wa\_rsodsactreq type rsodsactreq,

 it\_rsldpiot type standard table of ty\_rsldpiot,

 wa\_rsldpiot type ty\_rsldpiot,

 it\_rspcchain type standard table of rspcchain,

 wa\_rspcchain type rspcchain,

 it\_rspcchaint type standard table of rspcchaint,

 wa\_rspcchaint type rspcchaint,

 it\_rsmonicdp type standard table of rsmonicdp,

 wa\_rsmonicdp type rsmonicdp,

 it\_rsdodsot type standard table of rsdodsot,

 wa\_rsdodsot type rsdodsot.

\*\*\* SELECT-OPTIONS / PARAMETERS

selection-screen skip.

selection-screen begin of block b11 with frame title text-001.

selection-screen skip.

parameters: p\_ok as checkbox default 'X',

 p\_ok\_0 as checkbox default 'X',

 p\_notfin as checkbox default 'X',

 p\_notok as checkbox default 'X'.

selection-screen end of block b11.

selection-screen skip 1.

selection-screen begin of block b12 with frame title text-002.

selection-screen skip.

select-options: s\_date for sy-datum,

 s\_uzeit for sy-uzeit.

selection-screen end of block b12.

at selection-screen output.

 if s\_date[] is initial.

 move sy-datum to s\_date-high.

 s\_date-low = sy-datum - 1 .

 append s\_date.

 endif.

start-of-selection.

 select l~rnr

 l~logdpid

 l~tstatus

 l~datum

 l~uzeit

 l~tdatum

 l~tuzeit

 l~records

 r~source

 r~logsys

 r~objvers

 into corresponding fields of table it\_monitor

 from rsreqdone as l

 left outer join rsldpio as r

 on l~logdpid = r~logdpid

 where l~datum in s\_date

 and l~uzeit in s\_uzeit.

\* WHERE ( l~datum EQ s\_date-low AND l~uzeit GT s\_uzeit-low )

\* OR ( l~datum EQ s\_date-high AND l~uzeit LT s\_uzeit-high ).

 if sy-subrc = 0.

 sort it\_monitor by rnr.

\*\*\*\*\*\*\*\*\*Get rid of unwanted entries and sort

\* DELETE it\_monitor WHERE objvers <> 'A' OR

\* source = ' '.

 sort it\_monitor by datum uzeit source logdpid.

 if it\_monitor is not initial.

 select \* from rsiccont into table it\_rsiccont

 for all entries in it\_monitor

 where rnr = it\_monitor-rnr.

\* get records added

 select \* from rsmonicdp into table it\_rsmonicdp

 for all entries in it\_monitor

 where rnr = it\_monitor-rnr.

\* monitor infocube table

 select \* from rsmonictab into table it\_rsmonictab

 for all entries in it\_monitor

 where rnr = it\_monitor-rnr.

\* get info package name

 select logdpid text from rsldpiot into table it\_rsldpiot

 for all entries in it\_monitor

 where logdpid = it\_monitor-logdpid.

\* Process Chain Technical name

 select \* from rspcchain into table it\_rspcchain

 for all entries in it\_monitor

 where variante = it\_monitor-logdpid and objvers = 'A'.

\* process chain description

 if it\_rspcchain is not initial.

 select \* from rspcchaint into table it\_rspcchaint

 for all entries in it\_rspcchain

 where chain\_id = it\_rspcchain-chain\_id and objvers = 'A' and LANGU = 'E'.

 endif.

 if it\_rsiccont is not initial.

 select odsobject infoarea from rsdodso into table it\_rsdodso

 for all entries in it\_rsiccont

 where odsobject = it\_rsiccont-icube.

 endif.

 if it\_rsmonictab is not initial.

 select \* from rsdcube into table it\_rsdcube

 for all entries in it\_rsmonictab

 where infocube = it\_rsmonictab-infocube.

 endif.

\* infocube Description

 if it\_rsmonictab is not initial.

 select \* from rsdodsot into table it\_rsdodsot

 for all entries in it\_rsmonictab

 where odsobject = it\_rsmonictab-infocube and objvers = 'A'.

 select \* from rsdcubet into table it\_rsdcubet

 for all entries in it\_rsmonictab

 where infocube = it\_rsmonictab-infocube and objvers = 'A'.

 endif.

\* SELECT \* FROM rsodsactreq INTO TABLE it\_rsodsactreq

\* FOR ALL ENTRIES IN it\_monitor

\* WHERE request = it\_monitor-rnr

\* AND operation = 'A'

\* AND status = 0.

 endif.

 endif.

 loop at it\_monitor into wa\_monitor.

 if wa\_monitor-tstatus+1(2) = '08'.

 wa\_final-tstatcode = '0'.

 elseif wa\_monitor-tstatus+1(2) = '09'.

 wa\_final-tstatcode = '1'.

 elseif wa\_monitor-tstatus+1(2) = '0A'.

 wa\_final-tstatcode = '2'.

 endif.

 move-corresponding wa\_monitor to wa\_final.

 read table it\_rsldpiot into wa\_rsldpiot with key logdpid = wa\_monitor-logdpid.

 if sy-subrc = 0.

 wa\_final-text = wa\_rsldpiot-text.

 endif.

 read table it\_rspcchain into wa\_rspcchain with key variante = wa\_monitor-logdpid.

 if sy-subrc = 0.

 wa\_final-chainid = wa\_rspcchain-chain\_id.

 read table it\_rspcchaint into wa\_rspcchaint with key chain\_id = wa\_rspcchain-chain\_id.

 if sy-subrc = 0.

 wa\_final-txtlg = wa\_rspcchaint-txtlg.

 endif.

 endif.

 read table it\_rsmonicdp into wa\_rsmonicdp with key rnr = wa\_monitor-rnr.

 if sy-subrc = 0.

 wa\_final-recordsa = wa\_rsmonicdp-rec\_insert.

 endif.

\* READ TABLE it\_rsiccont INTO wa\_rsiccont WITH KEY rnr = wa\_monitor-rnr.

\* IF sy-subrc <> 0.

\*\* DELETE TABLE it\_monitor FROM wa\_monitor.

\* ELSE.

\* get infocube value

 read table it\_rsmonictab into wa\_rsmonictab with key rnr = wa\_monitor-rnr.

 if sy-subrc = 0.

 wa\_final-infocube = wa\_rsmonictab-infocube.

 else.

 read table it\_rsiccont into wa\_rsiccont with key rnr = wa\_monitor-rnr.

 if sy-subrc = 0.

 wa\_final-infocube = wa\_rsiccont-icube.

 endif.

 endif.

\* get info cube or ODS

 read table it\_rsdcube into wa\_rsdcube with key infocube = wa\_final-infocube.

 if sy-subrc = 0.

 wa\_final-infoarea = wa\_rsdcube-infoarea.

 wa\_final-dt\_type = 'CUBE'.

 else.

 read table it\_rsdodso into wa\_rsdodso with key odsobject = wa\_final-infocube.

 if sy-subrc = 0.

 wa\_final-infoarea = wa\_rsdodso-infoarea.

 wa\_final-dt\_type = 'ODS'.

 endif.

 endif.

\* Get Info Provider Description

 read table it\_rsdodsot into wa\_rsdodsot with key odsobject = wa\_final-infocube.

 wa\_final-txtlg = wa\_rsdodsot-txtlg.

 if wa\_final-txtlg is initial.

 read table it\_rsdcubet into wa\_rsdcubet with key infocube = wa\_final-infocube.

 wa\_final-txtlg = wa\_rsdcubet-txtlg.

 endif.

 if wa\_final-infocube is not initial.

 append wa\_final to it\_final.

 endif.

 clear : wa\_final, wa\_rsdodso, wa\_rsiccont, wa\_rsmonictab, wa\_rsmonicdp, wa\_rspcchaint, wa\_rspcchain, wa\_rsldpiot, wa\_rsdodsot, wa\_rsdcubet, wa\_monitor.

endloop.

perform field\_catalog.

perform data\_retrieval.

\*&---------------------------------------------------------------------\*

\*& Form FIELD\_CATALOG

\*&---------------------------------------------------------------------\*

\* text

\*----------------------------------------------------------------------\*

\* --> p1 text

\* <-- p2 text

\*----------------------------------------------------------------------\*

form field\_catalog .

 it\_fieldcatalog-fieldname = 'INFOCUBE'.

 it\_fieldcatalog-seltext\_m = 'Info Provider'.

 it\_fieldcatalog-col\_pos = 0.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

it\_fieldcatalog-fieldname = 'TXTSH'.

 it\_fieldcatalog-seltext\_m = 'DESCRIPTION'.

 it\_fieldcatalog-col\_pos = 2.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'CHAINID'.

 it\_fieldcatalog-seltext\_m = 'ProcessChain ID'.

 it\_fieldcatalog-col\_pos = 3.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TXTLG'.

 it\_fieldcatalog-seltext\_m = 'Process Chain Desc'.

 it\_fieldcatalog-col\_pos = 4.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'LOGDPID'.

 it\_fieldcatalog-seltext\_m = 'Infopackge ID'.

 it\_fieldcatalog-col\_pos = 5.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TEXT'(004).

 it\_fieldcatalog-seltext\_m = 'IP Description'.

 it\_fieldcatalog-col\_pos = 6.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TSTATUS'.

 it\_fieldcatalog-seltext\_m = 'Request Status'.

 it\_fieldcatalog-col\_pos = 7.

 APPEND it\_fieldcatalog TO it\_fieldcatalog.

 CLEAR it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'DATUM'(003).

 it\_fieldcatalog-seltext\_m = 'Start Date'.

 it\_fieldcatalog-col\_pos = 8.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'UZEIT'.

 it\_fieldcatalog-seltext\_m = 'Start Time'.

 it\_fieldcatalog-col\_pos = 9.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TDATUM'.

 it\_fieldcatalog-seltext\_m = 'End Date'.

 it\_fieldcatalog-col\_pos = 10.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TUZEIT'.

 it\_fieldcatalog-seltext\_m = 'End Time'.

 it\_fieldcatalog-col\_pos = 11.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'RECORDS'.

 it\_fieldcatalog-seltext\_m = 'Transferred Records'.

 it\_fieldcatalog-col\_pos = 12.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'RECORDSA'.

 it\_fieldcatalog-seltext\_m = 'Added Records'.

 it\_fieldcatalog-col\_pos = 13.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

\* it\_fieldcatalog-fieldname = 'SOURCE'.

\* it\_fieldcatalog-seltext\_m = 'Info Source'.

\* it\_fieldcatalog-col\_pos = 12.

\* APPEND it\_fieldcatalog TO it\_fieldcatalog.

\* CLEAR it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'LOGSYS'.

 it\_fieldcatalog-seltext\_m = 'Logical system'.

 it\_fieldcatalog-col\_pos = 14.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'INFOAREA'.

 it\_fieldcatalog-seltext\_m = 'Info Area'.

 it\_fieldcatalog-col\_pos = 15.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'TSTATCODE'.

 it\_fieldcatalog-seltext\_m = 'Status Code'.

 it\_fieldcatalog-col\_pos = 16.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

 it\_fieldcatalog-fieldname = 'DT\_TYPE'.

 it\_fieldcatalog-seltext\_m = 'Data Type'.

 it\_fieldcatalog-col\_pos = 17.

 append it\_fieldcatalog to it\_fieldcatalog.

 clear it\_fieldcatalog.

endform. " FIELD\_CATALOG

\*&---------------------------------------------------------------------\*

\*& Form DATA\_RETRIEVAL

\*&---------------------------------------------------------------------\*

\* text

\*----------------------------------------------------------------------\*

\* --> p1 text

\* <-- p2 text

\*----------------------------------------------------------------------\*

form data\_retrieval .

 v\_repid = sy-repid.

 call function 'REUSE\_ALV\_GRID\_DISPLAY'

 exporting

 i\_callback\_program = v\_repid

 it\_fieldcat = it\_fieldcatalog[]

 tables

 t\_outtab = it\_final

 exceptions

 program\_error = 1

 others = 2.

 if sy-subrc <> 0.

\* MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO

\* WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.

 endif.

endform. " DATA\_RETRIEVAL

**PROGRAM: Z40BWZ\_CMONTH**

REPORT z40bwz\_cmonth.

\*$\*$-------------------------------------------------------------------

\* Author : Nag Musunuru - XLTL022

\* Program : Z40BWZ\_CMONTH

\* Creation Date : 09-29-2010

\* Component Function : Reporting variable Z\_CMONTH will

\* return the current Calendar Month

\* DER : BWR526 SCR:N/A

\* Team : 41 Team: BW

\* Correction No : D40K917591

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : Program Z40BWZ\_CMONTH will return the

\* : current Calendar Month

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : None

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\*----------------------------------------------------------------------\*

\* Modified by:Nag Musunuru \*

\* Modification Date:11/01/2010 \*

\* Correction No:D40K917896 \*

\* DER:BWR526 \*

\* TPR or SCR:001 \*

\* Phase:Support \*

\* Description:Correct the output format to "YYYYMM" \*

\*----------------------------------------------------------------------\*

FORM z40sub\_z\_cmonth TABLES p\_etrange STRUCTURE rrrangesid.

 CONSTANTS: c\_opt(2) VALUE 'EQ',

 c\_sign(1) VALUE 'I'. "D40K917896

 DATA: z\_date LIKE sy-datum,

 z\_mdate(6) TYPE n.

 z\_date = sy-datum. "current system date

 z\_mdate = z\_date+0(6). "extract month (D40K917896)

 p\_etrange-sign = c\_sign. "I for insert

 p\_etrange-opt = c\_opt. "EQ for equal

 p\_etrange-low = z\_mdate. "Low Value

 APPEND p\_etrange.

 CLEAR p\_etrange.

ENDFORM. "Z40SUB\_Z\_CMONTH

**PROGRAM: Z40BWZ\_CDAY1**

\*&---------------------------------------------------------------------\*

\*& Report Z40BWZ\_CDAY1

\*&

\*&---------------------------------------------------------------------\*

REPORT Z40BWZ\_CDAY1.

\*----------------------------------------------------------------------

\* Author: Marc Charbonneau

\* Creation Date: 4/1/2011

\* Component Function: BW User Exit code for Query variable

\* invoked at time of query execution only

\* DER: BWR

\* Correction No: D40K918481

\* ---------------------------------------------------------------------

\* Logical Database : NONE

\* Short Description : returns the value of the current system date

\* when executing a BW query

\* ---------------------------------------------------------------------

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\* and penal sanctions.

\*-----------------------------------------------------------------------

\* Author :

\* Creation Date :

\* Component Function :

\* DER :

\* SCR :

\* tower :

\* team :

\* Correction :

\* Description :

\*-----------------------------------------------------------------------

form Z40SUB\_z\_CDAY1 tables P\_ETRANGE structure RRRANGESID.

Constants: c\_eq(2) value 'EQ', " for equals

 C\_i(1) value 'I'. " for include

Data: v\_sys\_date like sy-datum.

\*Code

 v\_sys\_date = sy-datum. " current system date

 p\_etrange-sign = c\_i. " populate output for query

 P\_etrange-opt = c\_eq.

 P\_etrange-low = v\_sys\_date.

 Append p\_etrange.

Endform.

**PROGRAM: Z40BWZ\_CFISYD**

\*&---------------------------------------------------------------------\*

\*& Report Z40BWZ\_FISYD

\*&

\*&---------------------------------------------------------------------\*

REPORT Z40BWZ\_CFISYD.

\*----------------------------------------------------------------------

\* Author: Marc Charbonneau

\* Creation Date: 4/1/2011

\* Component Function: BW User Exit code for Query variable

\* invoked at time of query execution only

\* DER: BWR

\* Correction No: D40K918481

\* ---------------------------------------------------------------------

\* Logical Database : NONE

\* Short Description : returns the value of the current fiscal year

\* but with a delay if it is in the 1st 15 days of

\* Jan - for that period return the previous year

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\* Author :

\* Creation Date :

\* Component Function :

\* DER :

\* SCR :

\* tower :

\* team :

\* Correction :

\* Description :

\*-----------------------------------------------------------------------

form Z40SUB\_Z\_CFISYD tables P\_ETRANGE structure RRRANGESID.

Constants: c\_eq(2) value 'EQ', " for equals

 C\_i(1) value 'I', " for include

 c\_1(1) value '1',

 c\_15(2) value '15', " for system day compare

 c\_01(2) value '01'. " for system month compare

Data: v\_sys\_date like sy-datum ,

 v\_sys\_day(2) type c,

 v\_sys\_year(4) type c,

 v\_sys\_month(2) type c.

\*Code

 v\_sys\_date = sy-datum. " current system date

 v\_sys\_day = v\_sys\_date+6(2). " extract & assign day

 v\_sys\_month = v\_sys\_date+4(2). " extract & assign month

 v\_sys\_year = v\_sys\_date+0(4). " extract & assign year

 if v\_sys\_month = c\_01. " if january

 if v\_sys\_day <= c\_15. " if in 1st 15 days

 v\_sys\_year = v\_sys\_year - c\_1. " set year to last year

 endif.

 endif.

 p\_etrange-sign = c\_i. " populate output for query

 P\_etrange-opt = c\_eq.

 P\_etrange-low = v\_sys\_year.

 Append p\_etrange.

Endform.

**PROGRAM: Z40BWP\_CREATE\_DB\_LINK**

REPORT Z40BWP\_CREATE\_DB\_LINK .

\*---------------------------------------------------------------------\*

\* \*

\* Author: Richelle Shaw \*

\* Creation Date: 10/03/2001 \*

\* Component Function: Database link for access to a remote Oracle \*

\* table \*

\* DER: BWR4490 \*

\* Correction No: D40K903868 \*

\* \*

\*---------------------------------------------------------------------\*

\* Logical Database : None

\* SAPScript Layout Set: None

\* Short Description : Creates a database link to specified Oracle

\* Database and a synonym to specified Oracle

\* table.

\* Sort Requirements : None

\* UNIX Shell Script : None

\* File Locations : None

\* Legacy File : None

\* Logical File Names : None

\* Text Elements : 942 Table does not exist

\* 955 Synonym already exists

\* 1000 DB\_link already exists

\*---------------------------------------------------------------------\*

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\*---------------------------------------------------------------------\*

\* \*

\* MODIFICATION HISTORY \*

\* \*

\* Modified by: <first> <Last> \*

\* Modification Date: <mm/dd/yyy> \*

\* Correction No: D03K99999 \*

\*---------------------------------------------------------------------\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\* ORACLE ONLY!!!! Database link for access of a remote table \*\*

\*\*\*\*\* use as datasource to load into Infocubes \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PARAMETERS: l\_sysid(10) TYPE c,

 l\_usrid(15) TYPE c DEFAULT 'miser\_read',

 l\_passwd(15) TYPE c DEFAULT 'r00ster',

 l\_table like dd02l-tabname DEFAULT 'zaccthd',

 l\_owner(10) TYPE c DEFAULT 'miser',

 l\_tabext(20) TYPE c DEFAULT 'accthd'.

DATA: l\_str(72) TYPE c,

 l\_sql TYPE i,

 l\_cnt TYPE i,

 l\_dblnk(10) TYPE c,

 l\_subrc LIKE sy-subrc.

CONSTANTS: c\_tab\_not\_exist TYPE i VALUE 942, "table does not exist

 c\_synonym\_exist TYPE i VALUE 955, "synonym already exists

 c\_dblink\_exist TYPE i VALUE 1000. "db\_link already exists

\*\*\*\*check prerequisites for creating a database link and synonym \*\*\*\*\*

\*\*\*\* If table local exists on the database --> error \*\*\*\*\*

CALL FUNCTION 'DB\_EXISTS\_TABLE'

 EXPORTING

 TABNAME = l\_table

 IMPORTING

 SUBRC = l\_subrc.

IF l\_subrc = 0.

 select count(\*) from (l\_table) into l\_cnt.

 if l\_cnt <> 0.

 WRITE: / 'local table exists and is not empty'.

 EXIT.

 else.

 CONCATENATE 'DROP TABLE' l\_table INTO l\_str SEPARATED BY ' '.

 CALL FUNCTION 'RSDU\_EXEC\_SQL'

 EXPORTING

 i\_stmt = l\_str

 IMPORTING

 e\_sqlerr = l\_sql

 EXCEPTIONS

 OTHERS = 1.

 IF sy-subrc <> 0 AND l\_sql <> c\_tab\_not\_exist.

 WRITE: / 'ERROR during DROP TABLE OCCURED SQL-ERR: ', l\_sql.

 EXIT.

 ENDIF.

 ENDIF.

ENDIF.

CLEAR l\_subrc.

PERFORM create\_dblink USING l\_sysid

 l\_usrid

 l\_passwd

 CHANGING l\_dblnk

 l\_subrc.

IF l\_subrc <> 0.

 WRITE: 'Create databaselink failed'.

 EXIT.

ENDIF.

PERFORM create\_synonym USING l\_dblnk

 l\_table

 l\_tabext

 l\_owner

 CHANGING l\_subrc.

IF l\_subrc <> 0.

 WRITE: 'Create synonym failed'.

 EXIT.

ENDIF.

\*&---------------------------------------------------------------------\*

\*& Form create\_dblink

\*&---------------------------------------------------------------------\*

\* text

\*----------------------------------------------------------------------\*

\* -->i\_SYSID logical oracle system

\* -->i\_USRID owner of the table

\* -->i\_passwd password of owner

\* <--c\_DBLNK name of db\_link

\* <--c\_SUBRC returncode of formroutine

\*----------------------------------------------------------------------\*

FORM create\_dblink USING i\_sysid TYPE c

 i\_usrid TYPE c

 i\_passwd TYPE c

 CHANGING c\_dblnk TYPE c

 c\_subrc LIKE sy-subrc.

 DATA: l\_str(120) TYPE c,

 l\_sql TYPE i,

 l\_sysid(10) TYPE c.

 CONSTANTS: c\_dblink\_exists TYPE i VALUE 2011.

 CONCATENATE 'TO\_' i\_sysid INTO c\_dblnk.

 CONCATENATE '''' i\_sysid '''' INTO l\_sysid.

 CONCATENATE 'create database link ' c\_dblnk ' connect to ' i\_usrid

 ' identified by ' i\_passwd ' using ' l\_sysid INTO

 l\_str separated by ''.

 CALL FUNCTION 'RSDU\_EXEC\_SQL'

 EXPORTING

 i\_stmt = l\_str

 IMPORTING

 e\_sqlerr = l\_sql

 EXCEPTIONS

 sql\_error = 1

 OTHERS = 2.

 IF sy-subrc <> 0 AND l\_sql <> c\_dblink\_exists.

 WRITE: / 'SQL-ERROR ', l\_sql,' creating database link '.

 c\_subrc = sy-subrc.

 else.

 if l\_sql = c\_dblink\_exists.

 write: / 'DBlink already exists'.

 else.

 write: / 'DBlink created as:', l\_str.

 endif.

 ENDIF.

ENDFORM. " create\_dblink

\*&---------------------------------------------------------------------\*

\*& Form create\_synonym

\*&---------------------------------------------------------------------\*

\* text

\*----------------------------------------------------------------------\*

\* -->i\_DBLNK name of database link

\* -->i\_TABLE table name

\* -->i\_USRID owner of the remote table

\* <--c\_SUBRC returncode

\*----------------------------------------------------------------------\*

FORM create\_synonym USING i\_dblnk TYPE c

 i\_table TYPE c

 i\_tabext TYPE c

 i\_owner TYPE c

 CHANGING c\_subrc LIKE sy-subrc.

 DATA: l\_str(120) TYPE c,

 l\_tab(40) TYPE c,

 l\_sql TYPE i.

 CONCATENATE i\_OWNER '.' i\_tabext '@' i\_dblnk INTO l\_tab.

 CONCATENATE 'create synonym' i\_table ' for ' l\_tab

 INTO l\_str SEPARATED BY ''.

 CALL FUNCTION 'RSDU\_EXEC\_SQL'

 EXPORTING

 i\_stmt = l\_str

 IMPORTING

 e\_sqlerr = l\_sql

 EXCEPTIONS

 sql\_error = 1

 OTHERS = 2.

 IF sy-subrc <> 0 AND l\_sql <> c\_synonym\_exist.

 WRITE: / 'SQL-ERROR ', l\_sql,' creating public synonym '.

 c\_subrc = sy-subrc.

 else.

 write: / 'Synonym created as:', l\_str.

 ENDIF.

ENDFORM. " create\_synonym .

**PROGRAM: Z40BWZ\_CURLDN**

REPORT Z40BWZ\_CURLDN.

\*$\*$-------------------------------------------------------------------

\* Author : Balaji Shanmugam - XING071

\* Program : Z40BWZ\_CURLDN

\* Creation Date : 04-11-2006

\* Component Function : Reporting variable Z\_CURLDN for getting last

\* day of the current month in numeric format

\* Development Object : SCR BWR241C

\* Correction No : D40K912594

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : Program for Z\_CURLDN formula variable

\* return last day of current month in numeric

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : None

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\*----------------------------------------------------------------------\*

form Z40SUB\_Z\_CURLDN tables P\_ETRANGE structure RRRANGESID.

DATA: V\_DATE like sy-datum,

 V\_NDATE type i.

CONSTANTS:C\_OPT(2) value 'EQ',

 C\_SIGN(1) value 'I'.

CLEAR:V\_DATE, V\_NDATE.

V\_DATE = SY-DATUM.

Call function 'SLS\_MISC\_GET\_LAST\_DAY\_OF\_MONTH'

 EXPORTING

 DAY\_IN = V\_DATE

 IMPORTING

 LAST\_DAY\_OF\_MONTH = V\_DATE

 EXCEPTIONS

 DAY\_IN\_NOT\_VALID.

v\_ndate = v\_date.

P\_ETRANGE-SIGN = c\_sign.

P\_ETRANGE-opt = c\_opt.

P\_ETRANGE-low = v\_ndate.

append p\_etrange.

clear p\_etrange.

endform.

**PROGRAM: Z40BWZ\_CURLDT**

REPORT Z40BWZ\_CURLDT.

\*$\*$-------------------------------------------------------------------

\* Author : Balaji Shanmugam - XING071

\* Program : Z40BWZ\_CURLDT

\* Creation Date : 04-11-2006

\* Component Function : Reporting variable Z\_CURLDT for getting last

\* day of the current month in date format

\* Development Object : SCR BWR241C

\* Correction No : D40K912594

\*$\*$-------------------------------------------------------------------

\* Logical Database : NONE

\* SAPScript Layout Set : N/A

\* Short Description : Program for Z\_CURLDT formula variable

\* return last day of current month

\* Sort Requirements : N/A

\* UNIX Shell Script : N/A

\* File Locations: Data : N/A

\* Logical File Names : N/A

\* Legacy File : N/A

\* Text Elements : None

\* ---------------------------------------------------------------------

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\*-----------------------------------------------------------------------

\*----------------------------------------------------------------------\*

\* DIRECT TABLE UPDATE WARNING

\* QR Reviewers WILL NOT APPROVE any QR 0/1/2 involving direct table

\* updates.

\*----------------------------------------------------------------------\*

\* MODIFICATION HISTORY (all changes)

\*----------------------------------------------------------------------\*

form Z40SUB\_Z\_CURLDT tables P\_ETRANGE structure RRRANGESID.

DATA: V\_DATE like sy-datum.

CONSTANTS:C\_OPT(2) value 'EQ',

 C\_SIGN(1) value 'I'.

CLEAR:V\_DATE.

V\_DATE = SY-DATUM.

Call function 'SLS\_MISC\_GET\_LAST\_DAY\_OF\_MONTH'

 EXPORTING

 DAY\_IN = V\_DATE

 IMPORTING

 LAST\_DAY\_OF\_MONTH = V\_DATE

 EXCEPTIONS

 DAY\_IN\_NOT\_VALID.

P\_ETRANGE-SIGN = c\_sign.

P\_ETRANGE-opt = c\_opt.

P\_ETRANGE-low = v\_date.

append p\_etrange.

clear p\_etrange.

endform.

**CMOD**

Trans cmod

Display ‘components’

Display ‘EXIT\_SAPLRSAP\_002’

Display ‘INCLUDE ZXRSAU02.’

**Important parts:**

DATA: PNAME     LIKE TRDIR-NAME VALUE 'Z20BW',
      RNAME(80) TYPE C VALUE 'DOZBW',

CONCATENATE PNAME I\_DATASOURCE INTO PNAME.

CONCATENATE RNAME I\_DATASOURCE INTO RNAME.

SELECT SINGLE NAME INTO PNAME FROM TRDIR
    WHERE NAME = PNAME.

IF SY-SUBRC = 0.
 PERFORM (RNAME) IN PROGRAM (PNAME) TABLES I\_T\_DATA.

Endif.

**User exit just created:**

&---------------------------------------------------------------------\*
\*& Report  Z20BWZ10CP\_TBS\_MCOFR
\*&
\*&---------------------------------------------------------------------\*
\*&
\*&
\*&---------------------------------------------------------------------\*

REPORT  Z20BWZ10CP\_TBS\_MCOFR.

FORM DOZBWZ10CP\_TBS\_MCOFR  tables
         p\_c\_t\_data structure ZOXD200240.

  if  P\_C\_T\_DATA[] IS INITIAL.
    return.
  endif.

  DATA : L\_S\_structure LIKE ZOXD200240.

\*  define internal table of sap table QMFE
  DATA: BEGIN OF I\_Z10CP\_TBS\_CATS OCCURS 0,
          MANDT        like Z10CP\_TBS\_CATS-MANDT,
          PROC\_TYPE    like Z10CP\_TBS\_CATS-PROC\_TYPE,
          QCPC\_CODE1   like Z10CP\_TBS\_CATS-QCPC\_CODE1,
          QCPC\_CODE2   like Z10CP\_TBS\_CATS-QCPC\_CODE2,
          QCPC\_CODE3   like Z10CP\_TBS\_CATS-QCPC\_CODE3,
          RPT\_GRP1     like Z10CP\_TBS\_CATS-RPT\_GRP1,
          OEM\_RSN\_CODE like Z10CP\_TBS\_CATS-OEM\_RSN\_CODE,
          SORTSEQ      like Z10CP\_TBS\_CATS-SORTSEQ,
        END OF I\_Z10CP\_TBS\_CATS.

SELECT  MANDT PROC\_TYPE QCPC\_CODE1 QCPC\_CODE2 QCPC\_CODE3
           RPT\_GRP1 OEM\_RSN\_CODE SORTSEQ
     from  Z10CP\_TBS\_CATS
     INTO  TABLE I\_Z10CP\_TBS\_CATS
     FOR ALL ENTRIES IN P\_C\_T\_DATA
     where PROC\_TYPE  = p\_c\_t\_data-PROC\_TYPE and
           QCPC\_CODE1 = p\_c\_t\_data-QCPC\_CODE1 and
           QCPC\_CODE2 = p\_c\_t\_data-QCPC\_CODE2 and
           QCPC\_CODE3 = p\_c\_t\_data-QCPC\_CODE3.

     if sy-subrc = 0.
       sort I\_Z10CP\_TBS\_CATS by PROC\_TYPE QCPC\_CODE1 QCPC\_CODE2 QCPC\_CODE3.
     else.
       return.
     endif.

loop at p\_c\_t\_data into L\_S\_structure.

     READ TABLE I\_Z10CP\_TBS\_CATS WITH KEY
         PROC\_TYPE  = L\_S\_structure-PROC\_TYPE
         QCPC\_CODE1 = L\_S\_structure-QCPC\_CODE1
         QCPC\_CODE2 = L\_S\_structure-QCPC\_CODE2
         QCPC\_CODE3 = L\_S\_structure-QCPC\_CODE3
       BINARY SEARCH.

  if sy-subrc = 0.
    L\_S\_structure-RPT\_GRP1     = I\_Z10CP\_TBS\_CATS-RPT\_GRP1.
    L\_S\_structure-OEM\_RSN\_CODE = I\_Z10CP\_TBS\_CATS-OEM\_RSN\_CODE.
    L\_S\_structure-SORTSEQ      = I\_Z10CP\_TBS\_CATS-SORTSEQ.
  endif.

  modify p\_c\_t\_data
    from L\_S\_structure
    transporting RPT\_GRP1 OEM\_RSN\_CODE SORTSEQ.

endloop.
endform.