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

\* 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.