**Legacy System (Ralph)**

ZHRI100a – Interfaces PeopleSoft Data to Legacy System, as per the input from the trigger table -**PS\_ZHRT\_INTTRIGGER.**

The SQR keeps running all the time in HR90PD, and the process is kicked by DBAs after every refresh.

**Overview**

HR036P

Zhri109a.sqc (Group Transfer)

Zhri100a.sqr

PSHR

Zhri101a.sqc (Hire/Rehire)

Zhri102a.sqc (Termination)

Zhri104a.sqc (Job Profile)

Zhri107a.sqc (Date Changes)

Zhri105a.sqc (Demo graphics)

Inserts EID into PS\_ZHRT\_EMPID\_CREF EID GENERATOR

Legacy

Trigger data is inserted into Trigger table

PS\_ZHRT\_INTTRIGGER trigger table contains;

**SEQ\_NBR**- which gets incremented by 1, through the proc- GetSequenceNumber

**OPRID** – Oprid of the Employee whose data is being send

**EMPLID** – Emplid of the Employee whose data is being send

**EFFDT** –The Effdt date of the changes

**EFFSEQ** – The Effseq for the changes (if any)

**PROC\_NAME** - Procedure Name field helps to understand what changes are made to the Employee and which library needs to be invoked to send the data to the Legacy System.

The different Proc names are as below;

ZHRI101A – Hire Process

ZHRI102A – Termination

ZHRI104A – Job Profile Changes

ZHRI105A– Demographics Changes

ZHRI106A – Rehire

ZHRI107A – Dates – Employment Review, Accomplishment and Contract Data changes

ZHRI109A – Group Transfers

ZHRI101D – A row deleted in Hire Process

ZHRI102D – A row deleted in Term Process

ZHRI104D – A row deleted in Job Profile

ZHRI105D – A row deleted in Demographics

ZHRI106D – A row deleted in Rehire

ZHRI107D – A row deleted in Employment Review, Accomplishment and Contract Data changes

ZHRI109D – A row deleted in Group Transfers

**TASK\_FLAG** – values C, P, E and Z

When the trigger record is first inserted it will be ‘P’ and after sending to legacy the status becomes ‘C’

When there is an error, the status will be ‘E’, but now most cases even for E, the status is updated as C and moved as an error routine. ‘Z’ is a dummy row value in the Table.

The Trigger data is inserted by Peoplecode, below listed are the Peoplecode events where the trigger data inserts into PS\_ZHRT\_INTTRIGGER for each procedure –

ZHRI101A – JOB.EMPLID.SavePostChange

ZHRI102A – JOB.EMPLID.SavePostChange

ZHRI104A – JOB.EMPLID.SavePostChange

ZHRI105A– CITIZENSHIP.COUNTRY.SavePostChange

DRIVERS\_LIC.EMPLID.SavePostChange

EMERGENCY\_PHONE.EMPLID.SavePostChange

EMPL\_CHECKLIST.EMPLID.SavePostChange

NAMES.EMPLID.SavePostChange

PERSONAL\_DATA.EMPLID.SavePostChange  
 PERSONAL\_PHONE.EMPLID.SavePostChange

PERS\_DATA\_EFFDT.EMPLID.SavePostChange

ZHRI106A – JOB.EMPLID.SavePostChange

ZHRI107A – ACCOMPLISHMENTS.DT\_ISSUED.SavePostChange

CONTRACT\_DATA.EMPLID.SavePostChange

EMPLOYEE\_REVIEW.EFFDT.SavePostChange

HCR\_JPM\_PKG.EIP.PublishJPM.OnExecute

ZHRI109A – JOB.EMPLID.SavePostChange

NID\_SBR.NATIONAL\_ID.SavePostChange

ZHRI101D – JOB.EMPLID.SavePostChange

ZHRI102D – JOB.EMPLID.SavePostChange

ZHRI104D – JOB.EMPLID.SavePostChange

ZHRI105D – CITIZENSHIP.COUNTRY.SavePostChange

DRIVERS\_LIC.EMPLID.SavePostChange

EMERGENCY\_PHONE.EMPLID.SavePostChange

EMPL\_CHECKLIST.EMPLID.SavePostChange

NAMES.EMPLID.SavePostChange

ZHRI106D – JOB.EMPLID.SavePostChange

ZHRI107D – ACCOMPLISHMENTS.DT\_ISSUED.SavePostChange

CONTRACT\_DATA.EMPLID.SavePostChange

EMPLOYEE\_REVIEW.EFFDT.SavePostChange

HCR\_JPM\_PKG.EIP.PublishJPM.OnExecute

ZHRI109D – NID\_SBR.NATIONAL\_ID.SavePostChange

**ZHRI100a.sqr** – This SQR runs looking for any Triger data and invokes the Call to the Legacy Libraries and updates the Legacy Files. There is a sleep time of 15 seconds between each call.

For ZHRI101a (Hire) and ZHRI106a (Rehire) Procedures, the where condition of the main SQL in the procedure ‘Get-Trigger-Data’ has been setup in a way that the SEQ NBR is greater for them and these records(any hire/rehire) gets processed first, before any other procedures.

The below SQCs are called from the SQR

1. **HR01-Process-Main** – Called fromZHRI100a SQR, calls **zhri101a.sqc**.

Proc\_Name that uses this SQC are - ZHRI101A (hire), ZHRI106A (rehire)

The SQC also makes sure the data is valid and checks it against the cross reference tables like PS\_ZHRT\_ETHCD\_CREF for ethnic code

PS\_ZHRT\_JOBCD\_CREF for Position, Department and Job Status

PS\_ZHRT\_RFSRC\_CREF for Referral Source

ZPS\_ZGLT\_PT12P\_CREF for Legal Branch

PS\_ZHRT\_CMPNY\_CREF for Group

If the values are not present then the Error routine from the main SQR is executed.

The procedure ‘**HR01-Build-Call-Statement’** gives all the data that is present in the command call to Legacy. The HireRehire Flag on the data is identified by the proc name in the trigger data.

PS\_PERS\_DATA\_EFFDT

PS\_PERSON

PS\_JOB

CALL COMMAND TO SEND TO AS/400 LEGACY

LEG BRANCH (ZGLF\_PT2OBR)

LEG GROUP (ZHRF\_LEGGROUP)

LEG SPECIFIC REF SRC (HRS\_SOURCE\_DESCR)

LEG REF SRC (ZHRF\_LEGRECRUITSRC)

LEG RACE (ZHRF\_LEGETHNICCD)

LEG JOB STATUS (ZHRF\_LEGJOBSTSCD)

LEG POSITION (ZHRF\_LEGPOSITIONCD)

LEG DEPTID (ZHRF\_LEGDEPTCD)

LEG SUB DEPTID (‘03’)

LEG HOME AREA CODE.PHONE/ERROR (PHONE - HOME)

LEG WORK AREA CODE.PHONE/ERROR (PHONE - WORK)

PS NID COUNTRY (COUNTRY\_2CHAR)

LEG ADDRESS (ADDRESS1)

LEG CITY (CITY)

LEG STATE (STATE)

LEG ZIP (POSTAL)

)

LEG BIRTH YEAR /MON/DAY (BIRTHDATE)

LEG MARITAL STATUS (MAR\_STATUS)

LEG GENDER (SEX)

LEG LAST NAME (LAST\_NAME)

LEG FIRST NAME (FIRST\_NAME)

LEG MIDDLE INITIAL (MIDDLE\_NAME)

LEG NICKNAME (FIRST\_NAME)

NAME PREFIX (NAME\_PREFIX)

**HR01-Build-Call-Statement**

LEG SRV YEAR/MON/DAY (EFFDT)

LEG UNION FLAG (EMPL\_CLASS)

LEG TIMECARD FLAG (FLSA\_STATUS)

LEG NID (““)

PS\_NAMES

PS\_ADDRESSES

PS\_COUNTRY\_TBL

PS\_PERSONAL\_PHONE

PS\_ZHRT\_JOBCD\_CREF

PS\_ZHRT\_ETHCD\_CREF

PS\_ZHRT\_RFSRC\_CREF

PS\_HRS\_SOURCE\_I (HRS\_SOURCE\_DESCR)

PS\_ZHRT\_CMPNY\_CREF

ZPS\_ZGLT\_PT12P\_CREF (ZGLF\_PT2OBR)

1. **HR02-Process-Main** – Called fromZHRI100a SQR, calls **zhri102a.sqc**.

Proc\_Name that uses this SQC - ZHRI102A (term)

The SQC also makes sure the data is valid and checks it against the cross reference table -PS\_ZHRT\_TRMRS\_CREF for legacy codes for Term action/action reason.

If the values are not present then the Error routine from the main SQR is executed.

The procedure ‘**HR02-Process-Data’** gives all the data that is present in the command call to Legacy.

**HR02-Process-Data**

TERM MONTH

TERM DAY

TERM YEAR

REHIRE MONTH

REHIRE DAY

REHIRE YEAR

AUDIT OPRID

TERM REASON

PS\_JOB

PS\_JOB.ACTION

PS\_JOB.ACTION\_REASON

CALL COMMAND TO SEND TO AS/400 LEGACY

VOLUNT/INVOL (

ZHRF\_LEGTERMCD)

TERM CODE (ZHRF\_LEGTERMRSN)

PS\_ZHRT\_TRMRS\_CREF

1. **HR04-Process-Main** – Called fromZHRI100a SQR, calls **zhri104a.sqc**.

Proc\_Name that uses this SQC - ZHRI104A (Job Profile Changes)

The SQC also makes sure the data is valid and checks it against the cross reference table - PS\_ZHRT\_JOBCD\_CREF for Position, Department and Job Status

PS\_ZHRT\_CMPNY\_CREF for Legal Group

If the values are not present then the Error routine from the main SQR is executed.

The procedure ‘**HR04-Call-RPG’** gives all the data that is present in the command call to Legacy.

PS\_JOB.COMPANY

PS\_JOB. SETID\_JOBCODE

PS\_JOB. JOBCODE

PS\_JOB.EMPL\_CLASS

PS\_JOB.FULL\_PART\_TIME

PS\_JOB.REG\_TEMP

PS\_JOB.DEPTID

PS\_ZHRT\_JOBCD\_CREF

PS\_JOB

ZPS\_ZGLT\_PT12P\_CREF

LEGACY DEPTID (ZHRF\_LEGDEPTCD)

LEGACY POSITION (ZHRF\_LEGPOSITIONCD)

LEGACY JOBSTATUS (ZHRF\_LEGJOBSTSCD)

**HR04-Call-RPG**

WORK STATUS

UNION FLAG

TIMECARD FLAG

EFFDT

LEGACY SUBDEPTID (““)

LEGACY BRANCH (ZGLF\_PT2OBR)

CALL COMMAND TO SEND TO AS/400 LEGACY

1. **HR05-Process-Main** – Called fromZHRI100a SQR, calls **zhri105a.sqc**.

Proc\_Name that uses this SQC - ZHRI105A (Demographics Changes)

The SQC also makes sure the data is valid and checks it against the cross reference table –

PS\_ZHRT\_EMPID\_CREF for emplid

PS\_ZHRT\_ETHCD\_CREF for ethnic code

PS\_ZHRT\_RFSRC\_CREF for Referral Source

ZPS\_ZGLT\_PT12P\_CREF for Legal Branch

PS\_ZHRT\_CMPNY\_CREF for Group

If the values are not present then the Error routine from the main SQR is executed.

The procedure ‘**HR05-Call-RPG-Program’** gives all the data that is present in the command call to Legacy.

PS\_JOB

**HR05-Call-RPG-Program**

PS STAT DT (EFFDT)

PS NAME (NAME)

PS NICKNAME (FIRST\_NAME)

PS NAME PREFIX (NAME\_PREFIX)

PS\_NAMES

PS\_PERS\_DATA\_EFFDT

LEG MARITAL STATUS (MAR\_STATUS)

PS\_PERSONAL\_DATA

PS BIRTHDATE (BIRTHDATE)

PS GENDER (SEX)

PS ADDRESS (ADDRESS1)

PS CITY (CITY)

PS STATE (STATE)

PS ZIP (POSTAL)

)

PS\_ADDRESSES

PS\_COUNTRY\_TBL

PS COUNTRY (COUNTRY\_2CHAR)

PS NID COUNTRY (COUNTRY\_2CHAR)

PS\_PERSONAL\_PHONE

PS PHONE (PHONE - HOME)

PS BUSINESS PHONE (PHONE - WORK)

PS\_EMERGENCY\_CNTCT

PS CONTACT NAME (CONTACT\_NAME)

PS EMER CONTACT (PHONE)

PS RELATION (RELATIONSHIP)

CALL COMMAND TO SEND TO AS/400 LEGACY

PS\_DRIVERS\_LIC

PS DRIVVERS LIC (DRIVERS\_LIC\_NBR)

PS DL STATE (STATE)

PS\_ZHRT\_ETHCD\_CREF

PS ETHNIC GROUP (ZHRF\_LEGETHNICCD)

PS\_ZHRT\_RFSRC\_CREF

PS REF SRC (ZHRF\_LEGRECRUITSRC)

PS\_HRS\_SOURCE\_I (HRS\_SOURCE\_DESCR)

PS SPECIFIC REF SRC (HRS\_SOURCE\_DESCR)

PS\_ZHRT\_CMPNY\_CREF

PS GROUP (ZHRF\_LEGREGION)

PS RECRUIT ID (ZHRF\_LEG\_EMPL\_ID)

PS BRANCH (ZGLF\_PT2OBR)

PS GROUP (ZGLF\_PT2OGP)

ZPS\_ZGLT\_PT12P\_CREF (ZGLF\_PT2OBR)

PS START DT (““)

PS CHG DT (ASOFDATE)

PS NID (““)

PS HEALTH STAT (““)

PS HEALTH STAT DESCR (““)

PS VEH RPT (‘0000’)

PS EMPL SPOUSE (““)

PS RECRUIT GP (““)

PS COLLEGE (““)

PS GRAD YR (‘0000’)

PS MAJOR (““)

1. **HR07-Process-Main** – Called fromZHRI100a SQR, calls **zhri107a.sqc**.

Proc\_Name that uses this SQC - ZHRI107A (Employment Review, Accomplishment and Contract Data Changes)

The procedure ‘**HR07-Call-RPG’** gives all the data that is present in the command call to Legacy.

CALL COMMAND TO SEND TO AS/400 LEGACY

PS\_CONTRACT\_DATA

PS-ACCOMPLISHMENTS

PS\_EMPLOYEE\_REVIEW

LEG CONTRACTDT MONTH (CONTRACT\_BEGIN\_DT)

LEG CONTRACTDT DAY (CONTRACT\_BEGIN\_DT)

LEG CONTRACTDT YEAR (CONTRACT\_BEGIN\_DT)

LEG NEGDRUGTST DAY (DT\_ISSUED)

LEG NEGDRUGTST MONTH (DT\_ISSUED)

LEG NEGDRUGTST YEAR (DT\_ISSUED)

LEG PHYTST DAY (DT\_ISSUED)

LEG PHYTST MONTH (DT\_ISSUED)

LEG PHYTST YEAR (DT\_ISSUED)

LEGLAST REVDT MONTH (EFFDT)

LEG LASTREVDT DAY MONTH (EFFDT)

LEG LASTREVDT YEAR MONTH (EFFDT)

LEG NEXTREVDT MONTH (NEXT\_REVIEW\_DT)

LEG NEXTREVDT DAY (NEXT\_REVIEW\_DT)

LEG NEXTREVDT YEAR (NEXT\_REVIEW\_DT)

**HR07-Call-RPG**

LEG HIREDT MONTH (““)

LEGACY HIREDT DAY (““)

LEGACY HIREDT YEAR (““)

LEGACY TERMDT MONTH (““)

LEGACY TERMDT DAY (““)

LEGACY TERMDT YEAR (““)

LEG CMP SEN MONTH (““)

LEG CMP SEN DAY (““)

LEG CMP SEN YEAR (““)

1. **HR09-Process-Main** – Called fromZHRI100a SQR, calls **zhri109a.sqc**.

Proc\_Name that uses this SQC - ZHRI109 A (Group Transfer Changes)

The SQC also makes sure the data is valid and checks it against the cross reference table - ZPS\_ZGLT\_PT12P\_CREF for Legal Branch

PS\_ZHRT\_CMPNY\_CREF for Legal Group

If the values are not present then the Error routine from the main SQR is executed.

The procedure ‘**HR09-Call-RPG’** gives all the data that is present in the command call to Legacy.

PS\_ZHRT\_CMPNY\_CREF

**HR09-Call-RPG**

LEG GROUP (ZHRF\_LEGGROUP)

ZPS\_ZGLT\_PT12P\_CREF

LEG BRANCH (ZGLF\_PT2OBR)

PS\_COUNTRY\_TBL

LEG COUNTRY CODE (COUNTRY\_2CHAR)

CALL COMMAND TO SEND TO AS/400 LEGACY

PS\_JOB

PS\_JOB.COMPANY

PS\_JOB.REG\_REGION

LEG EFFDT (EFFDT)

LEG NID (““ )

**Get-Oprid**

The SQR ZHRI100a has the procedure ‘**Get-Oprid**’, which is called by all the SQCs

This Process actually creates the EID in PSHR from Legacy Systems. Legacy has a master tale **HR036P** which already contains the EIDs during the hiring in PS.

The proc verifies the emplid in change, is present in the Cross Reference table - **PS\_ZHRT\_EMPID\_CREF** between PS and Legacy. If the emplid is not present (which usually happens for HIRE/REHIRE), it calls another procedure to pick the emplid (EID/oprid) from the master table - **HR036P** (this table resides in Legacy System). The procedure also inserts the missing data into the PS\_ZHRT\_EMPID\_CREF table.

Zhri101a.sqc which is the HIRE process calls this procedure after the command call to Legacy, and all other procedures calls it before the command call.

Get-Oprid from PS\_ZHRT\_EMPID\_CREF

Gets the EID from Legacy table – HR036P

Continue process

YES NO

Inserts into PSHR table PS\_ZHRT\_EMPID\_CREF and continue process

**zbas002b.sh** – Triggered from the ZHRI100a SQR

AS/400 machine name **– ELLIB** and the remote server - **central.corp.erac.com**

A successful command will be – (this is for Job Profile Changes- zhri104a for the Oprid – 151BM )

/usr/local/barch/PS90HRPD/scripts/zbas002b.sh "CALL ELLIB/HRZ104A PARM('151BM' '375PC' 'M5' 'N' ' ' 'CC038' 'F' 'A' 'N' 'N' '08212016')" central.corp.erac.com

Error Handling -

The Error routine is called whenever there is any error, for example the legacy equivalent is not found.

Also for all the procedures where there is a deletion – ZHRI101D, ZHRI102D, ZHRI104D, ZHRI105D, ZHRI106D, ZHRI107D, ZHRI109D Error routine is called.

The Error message shouldn’t be more than 75 characters

Examples for an error command- for EMPLIDs’ 308508 and 956143 – leading 0s’ removed.

/usr/local/barch/PS90HRPD/scripts/zbas002b.sh "CALL ELLIB/HRZ110A PARM('HRZ104A' '000308508' ' ' 'A row was deleted on the job-profile process

/usr/local/barch/PS90HRPD/scripts/zbas002b.sh "CALL ELLIB/HRZ110A PARM('HRZ109A' '000956143' ' ' 'Company not found in XRef Table PS\_ZHRT\_CMPNY\_CREF

All procedures related to Active Directory (AD) are no longer used as ERD is used instead.

**ZHRI110a.sqr** – This SQR runs every third Saturday of a month, and cleans the Trigger table - PS\_ZHRT\_INTTRIGGER.

It will move rows from the Trigger table to the History Table.  It will also delete rows from the history file after they have resided there for one year.