

Logical Consolidation BU and ZTS Responsibilities

Resource Requirements and Schedules

February 9, 1998



The LC Rename Project – Process and Procedure

- 1. Each BU should assign a dedicated LC Liaison for the next two months**
- 2. The Liaison should immediately review the attached materials with the BGI project manager – Mike Buchheim (Ext 3363)**
- 3. Attachments contain the implementation plan dates, actions and BU requirements for Data Renames and RACF conversion**
- 4. Examples of BGI rename reports are included with specific details on the review process.**
- 5. BU technicians must help BGI define rules and criteria for data renames. e.g. usage indicators and frequency indicators**
- 6. Once the pilot application is renamed, the rules and criteria for data renames will be 90% automated.**
- 7. Once the 2nd and 3rd application has been renamed, data naming will be over 95% automated.**

RACF Conversion Project Implementation Plan

Resources and Deliverables

| ZTS Technical Support | ZA Liaison | UUG Liaison | F&D Liaison |
|--|--|--|--|
| LC LPAR Software | TSS Facility Inventory* | TSS Facility Inventory | TSS Facility Inventory |
| 2/15 - CICS4.1 & DB2 2/15 - CA-Arbiter 2/28 - Lock Time Prod 2/20 - CA-Sysview 2/28 - NPM 2/28 - CL-Supersess | Done | 2/15 | 3/15 |
| | Report other known Non-SAF TSS calls | Report other known Non-SAF TSS calls | Report other known Non-SAF TSS calls |
| | Done | 2/15 | 3/15 |
| | Assign Pilot Test Appl | Assign Pilot Test Appl | Assign Pilot Test Appl |
| | 2/15 | 3/10 | 4/2 |
| | | | |
| Review test Plan | Review test Plan | Review test Plan | Review test Plan |
| 2/15 | 2/15 | 3/15 | 4/14 |
| | | | |
| | Assist in copying pilot Appl to LC LPAR | Assist in copying pilot Appl to LC LPAR | Assist in copying pilot Appl to LC LPAR |
| | 2/28 | 3/20 | 4/20 |
| | | | |
| | Test Pilot Appl | Test Pilot Appl | Test Pilot Appl |
| | 3/5-4/1 | 4/10-5/5 | 5/7-6/1 |
| | | | |
| Review test Plan | Dry run Weekend test | Dry run Weekend test | Dry run Weekend test |
| 4/1, 5/1, 6/1 | 4/5 | 5/10 | 6/7 |
| | | | |
| Review Cutover/Fallback | Assist in Cutover | Assist in Cutover | Assist in Cutover |
| 4/15, 5/15, 6/15 | 4/19 | 5/17 | 6/21 |

*Examples of this deliverable follow....

ZTS/BU Joint Requirement – Produce TSS Facility Inventory Report

**TSS Facility Inventory*
Done**

**Report other known*
Non-SAF TSS calls
Done**

**Assign Pilot Test Appl
2/15**

**Review test Plan
2/15**

**Assist in copying pilot
Appl to LC LPAR
2/28**

Test Pilot Appl

Dry run Weekend test

Assist in Cutover

Report derived from TSS Facility Listing

| TopSecret Facility | Resource Class | Resource Rule | Description | Vendor | Software Contact |
|--------------------|----------------|-----------------|------------------------------------|--------|------------------|
| AOPOVI | | | Operations Automation Software | | Roger Vlieger |
| ARBITERF | DATASET | \$RDN. or \$RDG | Arbiter for MVS. Test | | |
| ARBPRODF | DATASET | \$RDN. or \$RDG | Arbiter for MVS. Prod | | |
| ARBQAF | DATASET | \$RDN. or \$RDG | Arbiter for MVS. QA | | |
| ARBSFTF | DATASET | \$RDN. or \$RDG | Arbiter for MVS. Software | | |
| GSVX | CAGSVX | SV. | CA-Sysview | CA | |
| KLC | | | CLCONF | Candle | John O'Connor |
| LOOK | | | LOOK? No ASIDs found with Facility | CA | John O'Connor |
| M2P1DIST | DB2 | DSNR. | DB2 Prod | IBM | |
| M2T1DIST | DB2 | DSNR. | DB2 Test | IBM | |
| M2Q1DIST | DB2 | DSNR. | DB2 QA | IBM | |
| NCCFBNJ | | | Netview | IBM | John O'Connor |
| NPM | | | Net Performance Monitor | IBM | |
| MVPROC | | | Omegamon | Candle | Steve Marzal |
| NWMVS | | | NetWare for MVS | Novell | |
| OMIIMVS | OMCANDL | | Omegamon? No ASIDs found! | Candle | Steve Marzal |

This report can be created by ZTS Security with several hours of assistance from the BU Security Administrator and ZTS Technical Support.

BU RACF Conversion Assistance – Requirements and Testing

1. Requirements for:

- **Compile TSS Facility Report (previous page)**
- **Report other known TSS (non-SAF) calls or exits**
- **Assign a Pilot test application (with CICS, database and batch components)**
- **Assist BGI in copying Pilot data to LC LPAR for testing**
- **Assist BGI in Pilot test on LC LPAR**
- **Advise BGI in designing test plan and cutover/fallback plans**
- **Assist BGI in Dry Run weekend testing on production LPAR**
- **Advise BGI during Cutover/Fallback processes**

2. Contact BGI project leader (Mike Buchheim ex3363, Schaumburg) wait any questions

Data Rename Project Implementation Plan

Resources and Deliverables

| ZTS Technical Support | ZA Liaison | UUG Liaison | MIG ZPI ZCI | F&D Liaison |
|---|---|---|---|---|
| | Total ZA GB=853 | Total UUG GB=448 | Total ZA GB=982 | Total F&D GB=192 |
| Identify high-level indices to be exempt (e.g. SYS1, XXNDVR,..) | Select Pilot Appl Done | Select Pilot Appl Done | Select Pilot Appl Done | Select Pilot Appl Done |
| | | | | |
| | Edit HIGHQUAL* Report & set Priority | Edit HIGHQUAL* Report & set Priority | Edit HIGHQUAL* Report & set Priority | Edit HIGHQUAL* Report & set Priority |
| | 1/30 | 1/30 | 1/30 | Done |
| | | | | |
| | Submit Impact Analysis Report* | Submit Impact Analysis Report* | Submit Impact Analysis Report* | Submit Impact Analysis Report* |
| | 1/30 | 1/30 | 1/30 | 1/30 |
| | | | | |
| | Review NEWNAME Reports(3)* | Review NEWNAME Reports(3)* | Review NEWNAME Reports(3)* | Review NEWNAME Reports(3)* |
| | 2/15 | 3/1 | 2/15 | 4/1 |
| | | | | |
| | Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- | Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- | Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- | Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- |
| | 3/1 | 4/1 | 3/1 | 5/1 |

*Examples of this deliverable follow...

| IMPLEMENTATION OF NAME CHANGES | | | | |
|---|---|---|---|---|
| ZTS Technical Support | ZA Liaison | UUG Liaison | MIG Liaisons ZPI ZCI | F&D Liaison |
| <i>SCHEDULED DATES:</i> | 3/1,3/15,4/1,4/15 ,5/1 | 5/1,5/15,6/1 | 4/1,4/15,5/1,5/1 5,6/1 | 6/1,6/15 |
| | REPEAT NEWNAME Reports for each Appl Set | REPEAT NEWNAME Reports for each Appl Set | REPEAT NEWNAME Reports for each Appl Set | REPEAT NEWNAME Reports for each Appl Set |
| • ENDEVOR Support for sign out/in conflicts | X | X | X | X |
| • RACF/TSS Security for XA DSN rule change | X | X | X | X |
| • STOR MGMT Support for | | | | |
| 1. Catalog aliases | DONE | X | X | X |
| 2. SAMS ALLOC | X | X | X | X |
| 3. SAMS DISK | X | X | X | X |
| 4. DFHSM | | | | X |
| 5. POOL DASD | | | X | X |
| 6. STOPX37 | | | X | X |
| • Tape Libr must add new Vault pattern | X | X | X | X |
| • DataComDB Support must change DSN pointer (if applic) | X | | | X |
| • CICS Support must update DADS tables (if applic) | X | X | X | X |

BU Requirement - Review HIGHQUAL Report

- Total ZA GB=853
- Select Pilot Appl Done**
- Edit HIGHQUAL* Report & set Priority 1/30**
- Submit Impact Analysis Report* 1/30**
- Review NEWNAME Reports(3)* 2/15**
- Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- 3/1**

HIGHQUAL Member Before Edit

TOTAL NUMBER OF HIGH LEVEL QUALIFIERS
ZA - NOT INCLUDING TSO HIGH-LEVELS
AS OF &THEDATE

| HIGH LEV | TOTAL DSN |
|----------|-----------|
| SCAI\$ | 3 |
| SCATALOG | 59 |
| \$SAG | 1 |
| AAC | 1 |
| AB | 1 |
| AB# | 1 |
| ABT | 1 |
| ABT# | 1 |
| AC | 587 |
| AC# | 30 |

TOTAL NUMBER OF HIGH LEVEL QUALIFIERS
ZA - NOT INCLUDING TSO HIGH-LEVELS
AS OF &THEDATE

| SEQ | HIGH LEV | TOTAL DSN |
|-----|----------|-----------|
| 0 | SCAI\$ | 3 |
| 0 | SCATALOG | 59 |
| 0 | \$SAG | 1 |
| 4 | AAC | 1 |
| 2 | AB | 1 |
| 2 | AB# | 1 |
| 2 | ABT | 1 |
| 2 | ABT# | 1 |
| 3 | AC | 587 |
| 3 | AC# | 30 |
| 1 | ACC | 2 |
| 1 | ACT | 340 |

BU Recommended Sequence of Renames

0 = Do not rename
duplicates = rename together

HIGHQUAL Member After Edit

BU Requirement - Submit Impact Analysis Report

Total ZA GB=853
**Select Pilot Appl
Done**

**Edit HIGHQUAL*
Report & set Priority
1/30**

**Submit Impact
Analysis
Report*
1/30**

**Review NEWNAME
Reports(3)*
2/15**

**Review JCL Change
Report* (OPT)
-REQUIRED FOR PILOT-
3/1**

Example of Rename Analysis – Portion of Actual ZA Report

DSNAME Impact Analysis - ZA

1. In CICS, DADS-Plus contains application DSNAMES. They will have to be converted. Other online files will be renamed via the JCL renaming process for the CICS regions.
2. In Batch, SS96 dynamically allocates data sets without JCL in the following programs:
 - DLOPM00 used to allocate the OPID-to-USERID index file
 - DS09M00 BINPHONE ISPF program (allocate CICS menu file)
 - EC45M00-EC49M00, EC56M00, EC62M00-EC63M00, EC70M00, EC71M00, EC73M00, EC78M00, EC80M00 Dynamically allocates customer interface files.
 - MP89M00
 - RI81M00
 - RSB6M00
 - SHBAM40-41, SHBAM45, SHBAM47, SHBJM00
 - XLGMM00 (FICA DBL program to be made obsolete soon)
 - XZFD01, XZFLM01, XZOMM00
3. We will not have all sequential files to be named as part of a generation data group, as suggested in the ZTS standards. The problem is that we have 29 programs running from 8 different systems that upload or download files to/from PC systems and they use up to 44 characters of the DSNAME to make the files unique without using the G000V00 on the end. They must not be GDGS, or we would need 9 more bytes.
4. We can't fit 44 bytes if the new LC 1st and 2nd nodes are added, so we must find a way to create unique data set names by deleting some positions. We could change the dates in the DSNAME to Julian, omit decade and then fit by adding an alpha character so that the dates become 6-bytes including period.
5. Programs EC65M00 and EC74M00 do not use dynamic allocation, but generate DD cards with data set names to be sent to the internal reader. They must be changed.
6. We must also change the data set names in all program-submitted jobs (see above under Job Names).
7. Other processing of DSNAME occurs in program ER42M00.

BU Requirement - Review & Edit NEWNAME.TSOT Master Report and Supply DSN High Level Construction Rules

Total ZA GB=853
Select Pilot Appl Done

Edit HIGHQUAL* Report & set Priority 1/30

Submit Impact Analysis Report* 1/30

Review NEWNAME Reports(3)* 2/15

Review JC Report* -REQUIRED 3/15

NEWNAME.TSOT - TSO Table of all DSN Renames before edit

| | |
|---|---|
| <pre> NONVSAM ER.ALLOC USZ#PA.R0.ER.ALLOC NONVSAM ER.ALLOC2 USZ#PA.R0.ER.ALLOC2 NONVSAM ER.DATAB122.AREAERA.COST USZ#PA.R0.ER.DATAB122.AREAERA.COST NONVSAM ER.DATAB122.AREAERB.COST USZ#PA.R0.ER.DATAB122.AREAERB.COST NONVSAM ER.DATAB122.AREAERC.COST USZ#PA.R0.ER.DATAB122.AREAERC.COST NONVSAM ER.DATAB122.AREAERD.COST USZ#PA.R0.ER.DATAB122.AREAERD.COST NONVSAM ER.DATAB122.AREAERE.COST USZ#PA.R0.ER.DATAB122.AREAERE.COST NONVSAM ER.DATAB122.AREAERF.C THIS MEMBER CONTAINS THE RULES APPLIED TO THE OLD DATA SET NAME AND/OR NONVSAM ER.DATAB122.AREAERG.C THE OLD DATA SET CHARACTERISTICS TO GENERATE THE NEW DATA SET NAME. NONVSAM ER.DATAB122.AREAERH.C <u>DEFAULTS</u> NONVSAM ER.DATAB122.AREAERI.C EXECUTION ENVIRONMENT P (PRODUCTION) NONVSAM ER.DATAB122.AREAERJ.C FILE TYPE A (BASIC APPLICATION FILE) NONVSAM ER.DATAB122.AREAERK.C SMS CLASS R0 (SEE STANDARDS GUIDE P. 7) NONVSAM ER.DATAB122.AREAERL.C APPLICATION ID AS DEFINED BY THE BU NONVSAM ER.DATAB122.AREAERM.C APPEND ACTION EVERYTHING FROM 2ND NODE ON </pre> | <pre> RULES WHICH APPLY TO FND RULE: IF THIRD AND FOURTH NODE OF OLD DATA SET NAME IS EQUAL TO 'YEARLY.VAULT' 'MTHLY.VAULT' 'WEEKLY.VAULT' VARIABLE: FILE TYPE SMS CLASS VALUE: E (EXTERNAL FILE TYPE) R7 (SEE P. 7 OF STANDARDS GUIDE) APPEND ACTION: NODES ARE DROPPED FROM NEW NAME ***** RULE: IF THIRD AND FOURTH NODE OF OLD DATA SET NAME IS EQUAL TO 'VSAM.BACKUP' 'XTENDED.IHMONTHLY' 'XTENDED.IHYEARLY' VARIABLE: FILE TYPE SMS CLASS VALUE: S (SAVE FILE TYPE) R7 (SEE P. 7 OF STANDARDS GUIDE) APPEND ACTION: NODES ARE DROPPED FROM NEW NAME ***** RULE: IF SECOND NODE IS EQUAL TO 'PROD' VARIABLE: VALUE: APPEND ACTION: NODE IS DROPPED FROM NEW NAME [] </pre> |
| | <pre> RULES WHICH APPLY TO ALL BU'S RULE: IF LISTCAT DATA SET TYPE IS NOT 'GDGBASE' OR 'NONVSAM' VARIABLE: FILE TYPE VALUE: V (VSAM) APPEND ACTION: DEFAULT RULES WHICH APPLY TO ZA RULE: IF SECOND NODE OF OLD DATA SET NAME IS EQUAL TO 'DATAB' VARIABLE: FILE TYPE VALUE: D (DATA COM FILE) APPEND ACTION: DEFAULT ***** RULE: IF THIRD CHARACTER OF HIGH LEVEL IS EQUAL TO 'T' VARIABLE: EXECUTION ENVIRONMENT VALUE: U (UNIT TEST) APPEND ACTION: DEFAULT ***** RULE: IF FIRST CHARACTER AND SIXTH CHARACTER OF THIRD NODE ARE EQUAL TO 'Z' AND 'S' RESPECTIVELY VARIABLE: VALUE: APPEND ACTION: STRIP FIRST FIVE CHARATERS OF NODE 3 AND CONTINUE WITH DEFAULT APPEND ***** </pre> |

Rules from F&D and ZA

DSN Construction Rules (continued)

1. Rules are needed for:

- **DS Type (DB2, Datacom, Vault/External, etc.) Default is sequential (A)**
- **Environment (Production, Unit Test, EUC, etc) Default is Production**
- **SMS Management Class (Archive and Backup criteria as documented on page 7 of Standards Manual) Default is R0**
- **Usage (daytime batch, nighttime batch, daytime online, 24hr online) Default is Nighttime Batch**
- **Truncation over 44 characters (see example on following pages) A separate report is produced for truncation resolution**
- **Duplicate DSN (see examples on following pages) A Separate report is provided for Dup resolution.**

2. If you cannot determine a rule that can be defined through the current DSN structure, you may edit the TSOT file directly.

3. Contact BGI project leader (Mike Buchheim ex3363, Schaumburg) wait any questions

BU Requirement - Review NEWNAME.DUPS & TRUNCATE Report

Total ZA GB=853
Select Pilot Appl Done

Edit HIGHQUAL* Report & set Priority 1/30

Submit Impact Analysis Report* 1/30

Review NEWNAME Reports(3)* 2/15

Review JCL Change Report* (OPT) -REQUIRED FOR PILOT- 3/1

NEWNAME.DUPS – Duplicate DSN Resolution

```
TARS.D7004105.ARFILE.ARS00006 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00006
T7004.D7004105.ARFILE.ARS00006 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00006
TARS.D7004105.ARFILE.ARS00008 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00008
T7004.D7004105.ARFILE.ARS00008 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00008
TARS.D7004105.ARFILE.ARS00009 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00009
T7004.D7004105.ARFILE.ARS00009 | 39 USF#UA.R0.ARS.D7004105.ARFILE.ARS00009

**** RULE FOR TARS & T7004 duplication: drop node 3 (ARFILE) and replace with
node 1. EXAMPLE:

TARS.D7004105.ARFILE.ARS00006 -- USF#UA.R0.ARS.D7004105.TARS.ARS00006
T7004.D7004105.ARFILE.ARS00006 -- USF#UA.R0.ARS.D7004105.T7004.ARS00006
```

| | | |
|---------|--|--------------|
| NONVSAM | PABC.BUDCYCL.TRANS.ABC00141.G0142V00 | TRUNCATED=04 |
| NONVSAM | PABC.BUDCYCL.TRANS.ABC00141.G0144V00 | TRUNCATED=04 |
| NONVSAM | PABC.BUDCYCL.TRANS.ABC00141.G0146V00 | TRUNCATED=04 |
| NONVSAM | PABC.BUDCYCL.TRANS.ABC00141.G0148V00 | TRUNCATED=04 |
| NONVSAM | PABC.BUDCYCL.TRANS.ABC00141.G0150V00 | TRUNCATED=04 |
| NONVSAM | PABC.BUDGET.CONTCARD.ABC00077.G0435V00 | TRUNCATED=06 |
| NONVSAM | PABC.BUDGET.CONTCARD.ABC00077.G0437V00 | TRUNCATED=06 |
| NONVSAM | PABC.BUDGET.CONTCARD.ABC00077.G0439V00 | TRUNCATED=06 |
| NONVSAM | PABC.BUDGET.CONTCARD.ABC00077.G0441V00 | TRUNCATED=06 |
| NONVSAM | PABC.BUDGET.CONTCARD.ABC00077.G0443V00 | TRUNCATED=06 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0031V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0033V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0035V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0037V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0039V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0041V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0043V00 | TRUNCATED=05 |
| NONVSAM | PABC.BUDGET.HISTORY.ABC00136.G0045V00 | TRUNCATED=05 |

Length of new DSName

If you cannot determine
 A rule for duplicate or
 truncation resolution,
 you may change the
 DSN itself (old name)
 and the change will be
 applied during conversion

#of positions to be
 truncated

```
*** TRUNC RULE FOR PABC.BUDGET AND PABC.BUDCYCL:
USE FIRST 4 CHAR OF NODE 3 AND LAST 4 CHARS OF NODE 4. EXAMPLE
NONVSAM PABC.BUDCYCL.TRANS.ABC00141.G0150V00 = PABC.BUDCYCL.TRAN0141.G0150V00
NONVSAM PABC.BUDGET.CONTCARD.ABC00077.G0435V00 = PABC.BUDGET.CONT0077.G0435V00
```

NEWNAME.TRUNCATE – Over 44 char DSN Resolution

BU Requirement - Review JCL Change Report (optional)

Total ZA GB=853

**Select Pilot Appl
Done**

**Edit HIGHQUAL*
Report & set Priority
1/30**

**Submit Impact
Analysis
Report*
1/30**

**Review NEWNAME
Reports(3)*
2/15**

**Review JCL Change
Report* (OPT)
-REQUIRED FOR PILOT-
3/1**

The JCL Change report is generated after all other reports have been reviewed by the BU representatives. The JCL report reflects:

1. Old DSName before rename
2. Final DSName, with all revisions and rules applied
3. The JCL PROC containing the DD to be changed
4. The PROCLIB containing the PROC
5. JCL Syntax after the change (i.e. Symbolic values)

| PROCMEM | PROCLIB | FRN | OLDCARD | NEWCARD2 | OLDSM |
|---------|--------------------|-----|--|---|--------|
| ZAR0060 | ZENDR.PROD.PROCLIB | 13 | // ER1201='ER#.ER0400.ZDCAMS25.ER1201', * ERROR FILE | // ER1201='USZ#EV.R0.ER.ER0400.S25.ER1201', | |
| ZBL2900 | ZENDR.PROD.PROCLIB | 24 | //ER1201 DD DSN=&ERVSAM..ER0400.ZDCAMS25.ER1201,DISP=SHR | //ER1201 DD DSN=&HLMV..R0.&ERAPPL..ER0400.S25.ER1201,DISP=SHR | ERVSAM |

Each BU is urged to view this report before each change cycle. BGI will require this report to be reviewed during the initial Pilot application rename.