SERVICE REQUEST 3619
APPLICATION RESOURCE
SECURITY MANAGER:
TEST PLAN
RELEASE 556

April 11th, 1991

Information Systems & Computing
Office of the President
University of California
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1.0 Introduction

There are two activities needed to verify the installation of this release:

1. Perform ARSM System Administration to establish rules and access privileges.
2. Use the EDB Online Inquiry System to confirm the rules are being enforced.
2.0 Perform ARSM System Administration

Following local procedures, gain access to the CICS system in which ARSM and the EDB Online Inquiry System have been installed and sign-on to CICS using the "CESN" transaction.

Perform the following steps to establish rules and access privileges. This Test Plan refers to Authorization IDs 'PAYCDR' and 'PAYDBT'. You will need to use local Authorization IDs. The page numbers referred to below correspond to the numbers in the upper right corner of a partial CICS Playback listing included with this release.

1. **Action:** Type the initial CICS transaction ID 'ZZSA' on a blank screen and press Enter.
   **Response:** (page 1) The ARSM Main Menu (ARSM) will be displayed.

2. **Action:** Type "EGRP" on the Command Line, or position the cursor on the menu item "EGRP", and press Enter.
   **Response:** (page 2) The ARSM Group Maintenance screen (EGRP) will be displayed.

3. **Action:** Type "A" in the A D C field, "PAYCDR" in the Auth ID field and "PAYGRPI" in the Group ID field and press Enter.
   **Response:** (page 3) Message Z0021 is displayed.

4. **Action:** Press Enter.
   **Response:** (page 4) Message Z0022 is displayed.

5. **Action:** Type "ERUL" on the Command Line.
   **Response:** (page 5) The ARSM Rule Maintenance screen (ERUL) is displayed.

6. **Action:** Enter "A" in the A D C field, "EDBRNG" in the Access Rule field, "EDB" in the Resource Type field, any description (maximum 30 characters) in the Description field, and "1" in the Access Priority field. Press Enter.
   **Response:** (page 6) Message Z0021 is displayed.

7. **Action:** Press Enter.
   **Response:** (page 7) Message Z0022 is displayed.

8. **Action:** Type "EACC" on the Command Line and press Enter.
   **Response:** (page 8) The ARSM Access Maintenance screen (EACC) is displayed.

9. **Action:** Key "A" in the A D C field, "EDB" in the Resource Type field, "EDBRNG" in the Access Rule field, "PAYGRPI" in the Identifier field, and "VIEW" in the Access Privilege field. Press Enter.
   **Response:** (page 9) Message Z0021 is displayed and "01" is displayed as the Access Priority.

10. **Action:** Press Enter.
    **Response:** (page 10) Message Z0022 is displayed.

11. **Action:** Type "EERNG" on the Command Line and press Enter.
    **Response:** (page 11) The ARSM Range Rule Maintenance screen (EERNG) is displayed.

12. **Action:** Type "A" in the A D C field, "PAYGRPI" in the Identifier field, "0000000001" and "0000001000" as the first range and "000001000" and "9999999999" as the second range. Press Enter.
    **Response:** (page 12) Message Z0021 is displayed.
   **Response**: (page 13) Message Z0022 is displayed.

14. **Action**: Type "ERUL" on the Command Line and press Enter.  
   **Response**: (page 14) The ARSM Rule Maintenance screen is displayed.

15. **Action**: Enter "A" in the A D C field, "HMEDPT" in the Access Rule field, "EDB" in the Resource Type field, any description (maximum 30 characters) in the Description field, and "5" in the Access Priority field. Press Enter.  
   **Response**: (page 15) Message Z0021 is displayed.

   **Response**: (page 16) Message Z0022 is displayed.

17. **Action**: Type "EACC" on the Command Line and press Enter.  
   **Response**: (page 17) The ARSM Access Maintenance screen (EACC) is displayed.

   **Response**: (page 18) Message Z0021 is displayed and "05" is displayed as the Access Priority.

   **Response**: (page 19) Message Z0022 is displayed.

   **Response**: (page 20) The ARSM Home Department Rule Maintenance screen (EHME) is displayed.

   **Response**: (page 21) Message Z0021 is displayed.

22. **Action**: Press Enter.  
   **Response**: (page 22) Message Z0022 is displayed.

23. **Action**: Press the PF12 key.  
   **Response**: (page 23) The final exit screen is displayed.
3.0 Verify Data Access Security

The following will verify that the rules and access privileges just established will restrict access to EDB data.

Use the "CESN" transaction to signon with user ID "PAYCDR".

1. **Action:** Type the initial CICS transaction ID "PPP" on a blank screen and press Enter.
   **Response:** (page 24) The Payroll Personnel Main Menu (MENU) will be displayed.

2. **Action:** Type "IAPP" in the Next Func field and "000000001" in the ID field. Press Enter.
   **Response:** (page 25) The Appointment Distribution screen (IAPP) is displayed with data for employee ID 000000001.

3. **Action:** Type "000000002" in the ID field and press Enter.
   **Response:** (page 26) The IAPP screen is redisplayed with data for employee ID 000000002.

4. **Action:** Enter "000000226" in the ID field.
   **Response:** (page 27) Message P0015 is displayed.

5. **Action:** Enter "2000000002" in the ID field.
   **Response:** (page 28) The IAPP screen is redisplayed with data for employee ID 00000226.

6. **Action:** Press the PF12 key.
   **Response:** (page 29) The final exit screen is displayed.

7. **Action:** Use the "CESN" transaction to signon with User ID "PAYDBT". Then type "PPP" and press Enter.
   **Response:** (page 30) The Main Menu (MENU) is displayed.

8. **Action:** Type "IAPP" in the Next Function field and "000000001" in the ID field.
   **Response:** (page 31) Message P0015 is displayed. (This is because PAYDBT is restricted to viewing EDB data where the Home Department Code is "999999" and the Home Department Code for employee ID 000000001 is "861001").

9. **Action:** Key "000000002" in the ID field and press Enter.
    **Response:** (page 32) The IAPP screen is displayed with data for employee ID 000000002.

10. **Action:** Key "000000003" in the ID field and press Enter.
    **Response:** (page 33) The IAPP screen is displayed with data for employee ID 000000003.

11. **Action:** Key "000000001" in the ID field and press Enter.
    **Response:** (page 34) Message P0015 is displayed.

12. **Action:** Press the PF12 key.
    **Response:** (page 35) The final exit screen is displayed.
| ZERUL0-E0556 | APPLICATION RESOURCE SECURITY MANAGER              | 04/11/91 08:09:15 |
| A/D/C        | RULE MAINTENANCE                                   | USERID: PAYCDR   |
| ACCESS RULE  | EDBRNG                                             |                |
| RESOURCE TYPE| EDB                                                |                |
| DESCRIPTION  | RANGE RULE HAS FIRST PRIORITY                      |                |
| ACCESS PRIORITY| 01                                             |                |
| Z0021        | KEY CHANGES. ENTER TO UPDATE, PF02 TO CANCEL      |                |
| PF:          | 2-CANCEL 3-PREVMENU                               |                |
| PF:          | 9-MAINMENU 12-EXIT                                 |                |
SCREEN SIZE: 24 BY 80 (DEFAULT)  CURSOR POS: 261 (4, 21)  WCC: X'C2', MESSAGE DATE: 91.101
MESSAGE LENGTH: 316  MESSAGE TIME: 08:09:16.83
ERASE: NO  MESSAGE NBR: 14

A/D/C: RULE MAINTENANCE
ACCESS RULE: EDBRNG
RESO Resource Type: EDB
DESCRIPTION: RANGE RULE HAS FIRST PRIORITY
ACCESS PRIORITY: 01

Z0022 PROCESSED SUCCESSFULLY
==>
PF: 2-CANCEL  3-PREV MENU
PF: 9-MAIN MENU  12-EXIT

TERMINAL ID: E10F
TRANSACTION ID: ZZ07
MESSAGE TYPE: WRITE
SCREEN SIZE : 24 BY 80 (DEFAULT)  CURSOR POS: 261 (4, 21)  WCC: X'C21'
MESSAGE LENGTH: 303
ERASE: NO

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<td>ZZEACCO-E0556 APPLICATION RESOURCE SECURITY MANAGER ACCESS MAINTENANCE</td>
<td>04/11/91 08:09:41</td>
<td>USERID: PAYCDR</td>
<td></td>
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<table>
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<tr>
<th>4+</th>
<th>A/D/C</th>
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<tbody>
<tr>
<td></td>
<td>RESOURCE TYPE: EDB</td>
</tr>
<tr>
<td></td>
<td>ACCESS RULE: EDBRNG</td>
</tr>
<tr>
<td></td>
<td>IDENTIFIER: PAYGRP1</td>
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<tr>
<td>8+</td>
<td>ACCESS PRIVILEGE: VIEW</td>
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<td></td>
<td>ACCESS PRIORITY: 01</td>
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| 20+ | Z0021 KEY CHANGES. ENTER TO UPDATE, PF02 TO CANCEL |
|     | ===> |
|     | PF: 2-CANCEL 3-PREVMENU 9-MAINMENU |

---

| 24+ | PF: 12-EXIT |
|     | 10 20 30 40 50 60 70 80 |
ZZEACC0-E0556 APPLICATION RESOURCE SECURITY MANAGER
ACCESS MAINTENANCE
04/11/91 08:09:42
USERID: PAYCDR

A/D/C
 RESOURCE TYPE : EDB
 ACCESS RULE : EDBRNG
 IDENTIFIER : PAYGRP1

ACCESS PRIVILEGE: VIEW
ACCESS PRIORITY : 01

Z0022 PROCESSED SUCCESSFULLY

PF: 2-CANCEL 3-PREV MENU 9-MAIN MENU
PF: 12-EXIT

10 20 30 40 50 60 70 80
COMPUWARE CICS PLAYBACK
FORMATTED SCREEN LISTING

DATE: 91.101
TIME: 8.48.44
TERMINAL ID: E10F
TRANSACTION ID: ZZ08
MESSAGE TYPE: WRITE
SCREEN SIZE: 24 BY 80 (DEFAULT)
CURSOR POS: 258 (4, 18)
WCC: X'C2'
ERASE: YES
MESSAGE LENGTH: 841
MESSAGE DATE: 91.101
MESSAGE TIME: 08:09:48.86
MESSAGE NBR: 22

ZZERN00-E0556
APPLICATION RESOURCE SECURITY MANAGER
RANGE RULE MAINTENANCE 04/11/91 08:09:49
USERID: PAYCDR

A/D/C
IDENTIFIER:
EMPLOYEE-ID1
EMPLOYEE-ID2

PF:
2-CANCEL 3-PREVMENU 9-MAINMENU
12-EXIT

---
COMPUWARE CICS PLAYBACK
FORMATTED SCREEN LISTING

TERMINAL ID: E10F
TRANSACTION ID: ZZ10
MESSAGE TYPE: WRITE

SCREEN SIZE: 24 BY 80 (DEFAULT)
MESSAGE LENGTH: 555
WCC: X'C2'
CURSOR POS: 258 (4, 18)
ERASE: NO
MESSAGE DATE: 91.101
MESSAGE TIME: 08:10:24.45
MESSAGE NBR: 26

ZERNG0-EO555
APPLICATION RESOURCE SECURITY MANAGER
RANGE RULE MAINTENANCE
04/11/91 08:10:24
USERID: PAYCDR

A/D/C
IDENTIFIER: PAYGRP1
EMPLOYEE-ID1
000000001
000000100
00001000
999999999

Z0022 PROCESSED SUCCESSFULLY

PF:
2-CANCEL
3-PREVMENU
9-MAINMENU

12-EXIT
APPLICATION RESOURCE SECURITY MANAGER

RULE MAINTENANCE

A/D/C: A
ACCESS RULE: HMEDPT
RESOURCE TYPE: EDB
DESCRIPTION: LIMIT TO SPECIFIC HOME DEPT
ACCESS PRIORITY: 05

KEY CHANGES: ENTER TO UPDATE, PF02 TO CANCEL
PF:
2-CANCEL
3-PREV MENU
9-MAIN MENU
12-EXIT
Z0022     PROCESSED SUCCESSFULLY

PF:  2-CANCEL  3-PREVMENU  9-MAINMENU  12-EXIT
COMPUWARE CICS PLAYBACK
FORMATTED SCREEN LISTING

DATE: 91.101
TIME: 8.48.44
TERMINAL ID: E10F
TRANSACTION ID: Z207
MESSAGE TYPE: WRITE
SCREEN SIZE: 24 BY 80 (DEFAULT)
MESSAGE LENGTH: 614
CURSOR POS: 261 (4, 21)
ERASE: YES
WCC: X'C2'
MESSAGE DATE: 91.101
MESSAGE TIME: 08:12:55.99
MESSAGE NBR: 54

ZZEACC0=E0556
APPLICATION RESOURCE SECURITY MANAGER
ACCESS MAINTENANCE
ACCESS PRIVILEGE:
ACCESS PRIOR OITY:
USERID: PAYCOR

PF: 2=CANCEL 3-PREVMENU 9-MAINMENU 12-EXIT

PAGE: 55
PGM: PLALIST
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<tr>
<td>ZZEACCO=EO556</td>
<td>APPLICATION RESOURCE SECURITY MANAGER</td>
<td>ACCESS MAINTENANCE</td>
<td>04/11/91 08:13:11</td>
<td>USERID: PAYCJR</td>
<td></td>
<td></td>
<td></td>
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- A/D/C  : A
- RESOURCE TYPE   : EDB
- ACCESS RULE     : HMEDEPT
- IDENTIFIER      : PAYDBT
- ACCESS PRIVILEGE: VIEW
- ACCESS PRIORITY : 05

Z0021 KEY CHANGES. ENTER TO UPDATE, PF02 TO CANCEL

PF:
- 2=CANCEL
- 3-PREVMENU
- 9=MAINMENU

PF:
- 12-EXIT
APPLICATION RESOURCE SECURITY MANAGER
ACCESS MAINTENANCE

A/D/C
RESOURCE TYPE: EDB
ACCESS RULE: NMEDPT
IDENTIFIER: PAYDBT
ACCESS PRIVILEGE: VIEW
ACCESS PRIORITY: 05

Z0022 PROCESSED SUCCESSFULLY

PF: 2-CANCEL 3-PREVMENU

PF: 10-20-30-40-50-60-70-80-12-EXIT
COMPUCARE CICS PLAYBACK
FORMATTED SCREEN LISTING

TERMINAL ID: E10F
TRANSACTION ID: ZZE08
MESSAGE TYPE: WRITE

SCREEN SIZE: 24 BY 80 (DEFAULT)
MESSAGE LENGTH: 490
CURSOR POS: 260 (4, 20)
ERASE: YES

WCC: X'TC2'
MESSAGE DATE: 91.101
MESSAGE TIME: 08:13:20.27
MESSAGE NBR: 60

APPLICATION RESOURCE SECURITY MANAGER
HOME DEPARTMENT RULE MAINTENANCE
04/11/91 08:13:20
USERID: PAYCDR

PF: 2-CANCEL 3-PREV MENU 9-MAIN MENU 12-EXIT

---

DATE: 91.101
TIME: 8.48.44

REL 04.04.04
PGM: PLALIST

PAGE: 61

20
ZZEHMED-E0056  APPLICATION RESOURCE SECURITY MANAGER
HOME DEPARTMENT RULE MAINTENANCE  04/11/91 08:13:29
A/D/C  :  A
IDENTIFIER  :  PAYDBT
DEPARTMENT CODE: 999999

0021  KEY CHANGES. ENTER TO UPDATE, PF02 TO CANCEL
PF:  2-CANCEL  3-PREVMENU  9-MAINMENU
PF:  12-EXIT

10  20  30  40  50  60  70  80  10  20  30  40  50  60  70  80
APPLICATION RESOURCE SECURITY MANAGER
HOME DEPARTMENT RULE MAINTENANCE

IDENTIFIER: PAYDBT
DEPARTMENT CODE: 999999

Z0022 PROCESSED SUCCESSFULLY

PF: 2-CANCEL 3-PREVMENU 9-MAINMENU 12-EXIT
APPLICATION RESOURCE SECURITY MANAGER ENDED
<table>
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<th>EDR INQUIRY</th>
<th>04/11/91 08:39:15</th>
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<td>ID: 000000002</td>
<td>APPOINTMENT/DISTRIBUTION</td>
<td>USERID: PAYCDR</td>
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<tr>
<td>NAME: CHANCELLOR, EXEC</td>
<td>SSN: 555-55-5002</td>
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<td>TOTAL APPT/DIS: 03/04</td>
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<td>LOA RETURN:</td>
<td>LOA TYPE:</td>
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<tr>
<td>END DT: 11/30/90</td>
<td>PR:</td>
<td></td>
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<td>PGM/TYPE:</td>
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<td>BAS/PD OVR: 00/00</td>
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<tr>
<td>TUC/AREP/ASHC: 99/U</td>
<td>TIME:</td>
<td></td>
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<tr>
<td>DIS: 11 L/ACCT/FUND/SUB</td>
<td>3 660101 19900 1</td>
<td></td>
</tr>
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<td>BEGIN: 07/01/89</td>
<td>DIS %: 1.0000</td>
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<td>DOS:</td>
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<td>3-PREV MENU 4-PRINT</td>
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<tr>
<td>8-FORWARD 9-MAIN MENU 10-PREV FUNC 11-NEXT FUNC 12-EXIT</td>
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<td>3-PREV MENU 4-PRINT</td>
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<td>8-FORWARD 9-MAIN MENU 10-PREV FUNC 11-NEXT FUNC 12-EXIT</td>
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<tr>
<td>ID: 000000226</td>
<td>NAME: CHANCELLOR, EXEC</td>
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<tr>
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<tr>
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<td>04/11/91 08:39:21</td>
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<td>PPIAPPO-10541</td>
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<tr>
<td>LOA BEGIN: 08/04</td>
<td>REMAINING APPT/DIS: 02/02</td>
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<tr>
<td>APPT: 10 TC: 0030 CHANCELLOR</td>
<td>07/01/89 ANN/HR RT: 117000.00</td>
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| END DT: 11/30/90 PGM/TYP: E/2 | 1.00 F/V:
| DUR: BAS/PD OVR: 00/00 | F RT: A |
| DIS: 11 L/ACCT/FUND/SUB: 3 660101 19900 1 |
| BEGIN: 07/01/89 DIS %: 1.0000 RATE/AMT: 9750.00 |
| END: 11/30/90 FTE: 1.00 STEP/OA: | PRQ: DUC: WSP: |
| DIS: 12 L/ACCT/FUND/SUB: 3 660101 19900 1 |
| BEGIN: 07/01/89 DIS %: 1.0000 RATE/AMT: 9750.00 |
| END: 11/30/90 FTE: 1.00 STEP/OA: | PRQ: EXE DUC: C WSP: |
| NEXT FUNC: ID: 000000226 NAME: | P0015 NOT AUTHORIZED TO SEE DATA FOR SELECTED EMPLOYEE ID |
| PF: 1-HELP | 3-PREVMENU 4-PRINT |
| PF: 8-FORWARD | 9-MAINMENU 10-PREVFUNC 11-NEXTFUNC 12-EXIT |

<table>
<thead>
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<th>70</th>
<th>80</th>
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</table>
SCREEN SIZE: 24 BY 80 (DEFAULT)  CURSOR POS: 1534, (20, 14) WCC: X'C2'
MESSAGE LENGTH: 2185  ERASE: YES
MESSAGE DATE: 91.101
MESSAGE TIME: 08:39:27.52
MESSAGE NBR: 10
COMPUWARE CICS PLAYBACK
FORMATTED SCREEN LISTING
REL 04.04.04
PAGE: 11
PGM: PLALIST

PPIAPP=10541
APPT: 10 TC: 0030 CHANCELLOR
GRADE: C  DEPT CD:
END DT: 07/01/89 ANN/HR RT: 117000.00 %: 1.00 F/V: F RT: A
DUR: I INDEF BAS/PD OVR: 00/00 TUC/AREP/ASHC: 99/U/ TIME T
DIS: 11 L/ACCT/FUND/SUB: 3 660101 19900 1
BEGIN: 07/01/89 DIS %: 1.0000 RATE/AMT: 9750.00 DOS: REG DEPT CD:
END: 99/99/99 FTE: 1.00 STEP/DA:
PRQ: DUC: WSP:
DIS: L/ACCT/FUND/SUB:
BEGIN: RATE/AMT:
END: STEP/DA:
PRQ: DUC: WSP:
NEXT FUNC: NAME:
P0008 NEXT FUNCTION: IAPT
PF: 1-HELP
PF: 8-FORWARD 9-MAINMENU 10-PREVFUNC 11-NEXTFUNC 12-EXIT

28
YOU HAVE SIGNED OFF THE PAYROLL/PERSONNEL SYSTEM
PRESS THE CLEAR KEY
DATA: 91.101
TIME: 8:48:28

TERMINAL ID: E10F
TRANSACTION ID: PP07
MESSAGE TYPE: WRITE

SCREEN SIZE: 24 BY 80 (DEFAULT)
MESSAGE LENGTH: 2185
ERASE: YES

COMPUWARE CICS PLAYBACK
FORMATED SCREEN LISTING

SCREEN SIZE: 24 BY 80 (DEFAULT)
CURSOR POS: 1534 (20, 14)
WCC: X'C2'
MESSAGE DATE: 91.101
MESSAGE TIME: 08:40:06.76
MESSAGE NBR: 27

READER: 10 TC: 0093 DIRECTOR (FUNCTL AREA)-EXEC
GRADE: B
DEPT CD:
BEGIN DT: 07/01/89 ANN/H R T: 284925.00 %: 1.00 F/V: F
END DT: 12/31/90 PCM/TYP: E/2
DUR: BAS/PD OVR: 00/00
TUC/AREP/ASHC: 99/U
SCHED: BW

DIS: 11 L/ACCT/FUND/SUB
BEGIN: 07/01/89 DIS #: 1.00000 RATE/AMT: 10916.67
END: 12/31/90 STEP/OA: PRQ: DUC: WSP:

DIS: 11 L/ACCT/FUND/SUB
BEGIN: DUR: 1.00 FTE: 1.00000 RATE/AMT:
END: STEP/OA: PRQ: DUC: WSP:

NEXT FUNC: P0008 NEXT FUNCTION: IGN

PF: 1-HELP
PF: 8-FORWARD 3-PREVMENU 4-PRINT
PF: 9-MAINMENU 10-PREVFUNC 11-NEXTFUNC 12-EXIT
| PPIAPP0-10541 | EDB INQUIRY | 04/11/91 08:40:10 |
| ID: 000000001 NAME: DIRECTOR | APPOINTMENT/DISTRIBUTION | USERID: PAYDBT |
| HN DEPT: 9999999 | EMPLMT STATUS: S | |
| GEN NO: 0004 | TOTAL APPT/DIS: 03/03 REMAINING APPT/DIS: 02/02 |
| LOA BEG: | LOA RETURN: | |
| APPT: 16 | LOA TYPE: |
| DIS: 11 L/ACCT/FUND/SUB | 3 427701 63000 1 |
| BEGIN: 07/01/89 DIS %: 1.0000 RATE/AMT: 10916.67 |
| END : 12/31/90 | DOS: REG DEPT CD: |
| PCG/TYP : E2 | PRQ: DUC: WSP: |
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