MERIDIAN 1 TIPS III

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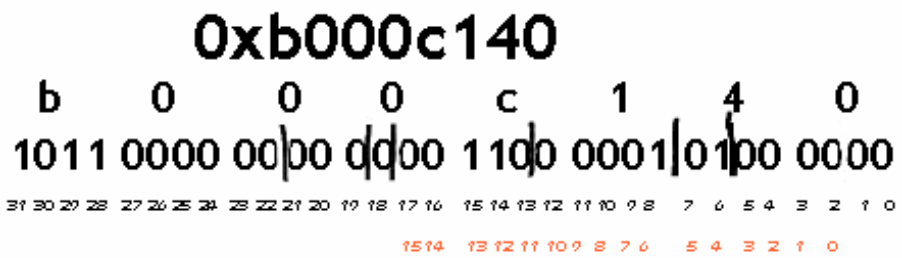
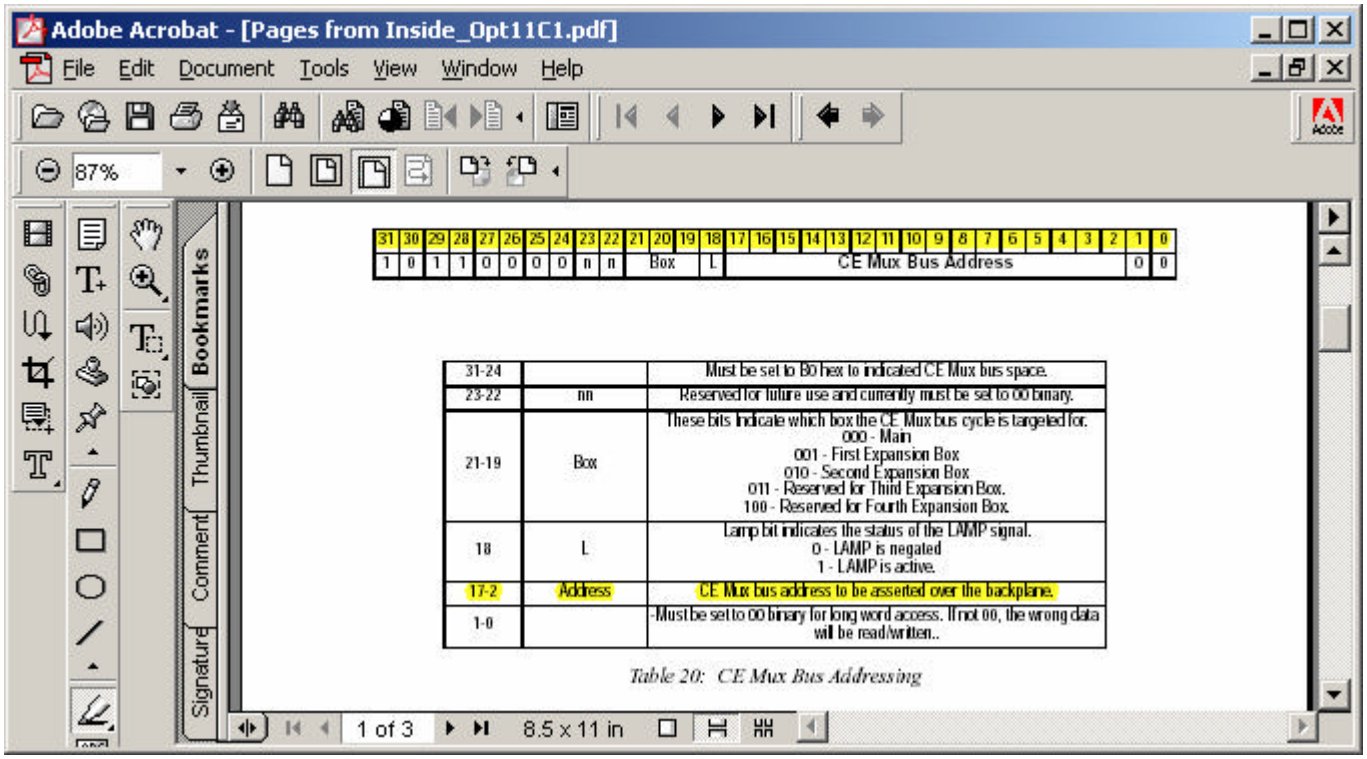
How to breakdown the address field in the option 11c berr mesages





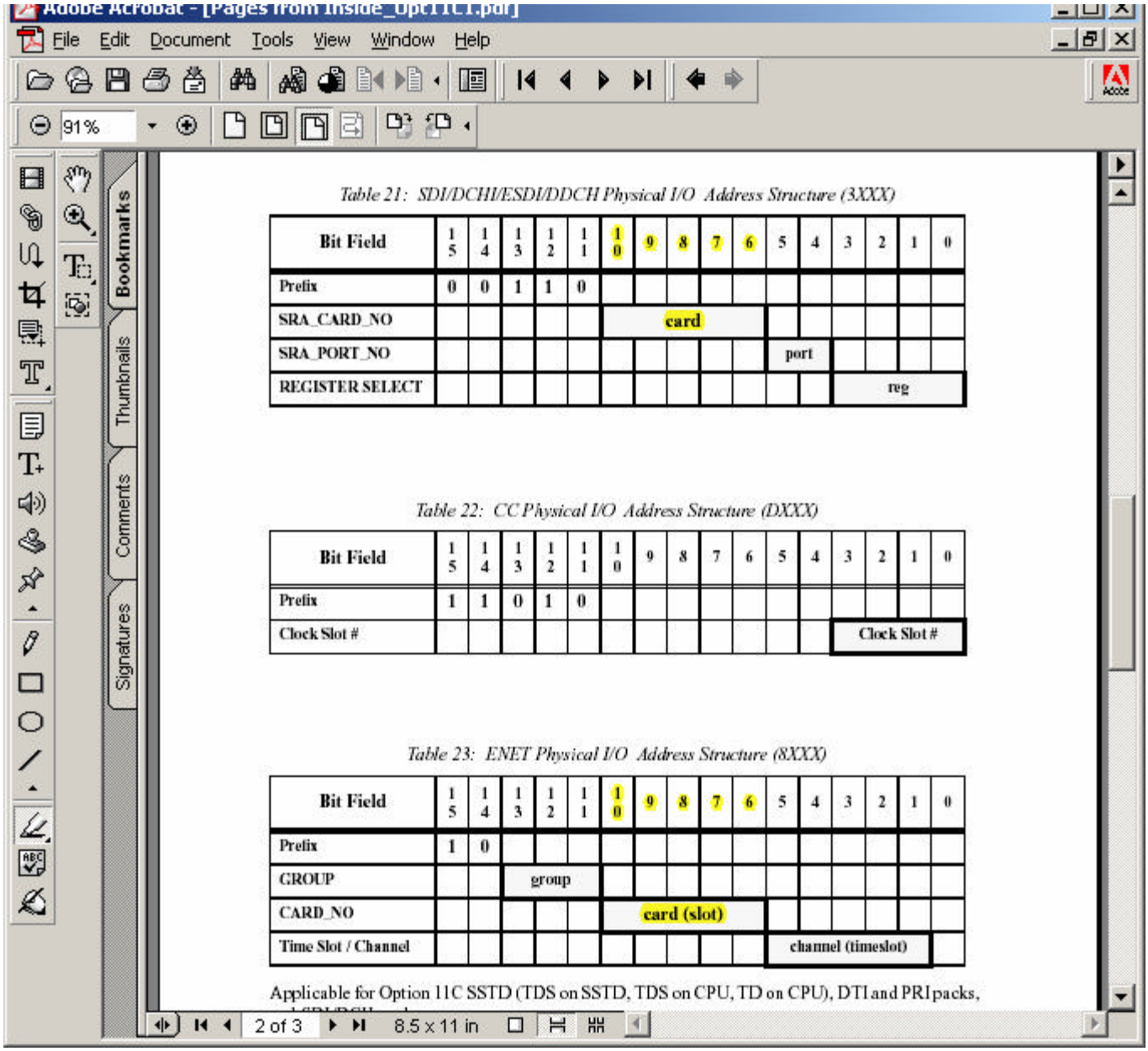


Table 21: SDI/DCHI/ESDI/DDCH Physical I/O Address Structure (3XXX)

Bit Field	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Prefix	0	0	1	1	0											
SRA_CARD_NO						card										
SRA_PORT_NO											port					
REGISTER SELECT													reg			

Table 22: CC Physical I/O Address Structure (DXXX)

Bit Field	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Prefix	1	1	0	1	0											
Clock Slot #													Clock Slot #			

Table 23: ENET Physical I/O Address Structure (8XXX)

Bit Field	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Prefix	1	0														
GROUP			group													
CARD_NO						card (slot)										
Time Slot / Channel											channel (timeslot)					

Applicable for Option 11C SSTD (TDS on SSTD, TDS on CPU, TD on CPU), DTI and PRI packs,

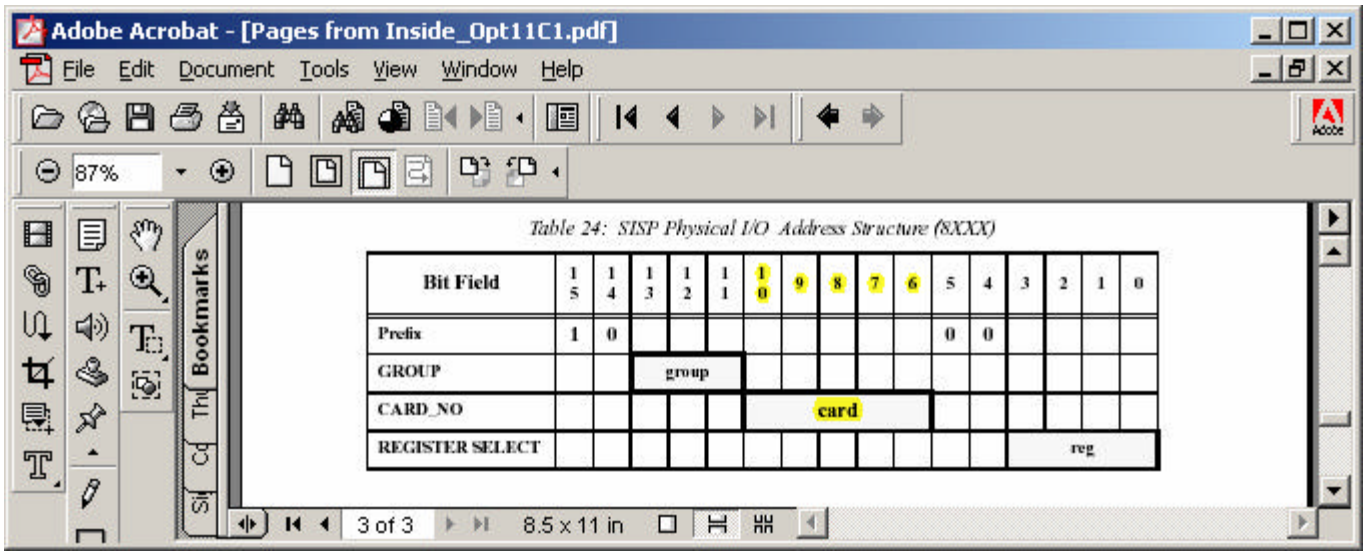


Table 24: SISP Physical I/O Address Structure (8XXX)

Bit Field	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Prefix	1	0									0	0				
GROUP			group													
CARD_NO						card										
REGISTER SELECT													reg			

By Allen Russell

TO REMOVE AC2 FROM THE ESN DATABLOCK

(you must remove it from the esn_datablock and the dn_translator)

>**ld 86**
ESN000
MEM AVAIL: (U/P): 23266609 USED U P: 4871762 418937 TOT: 28557308
DISK SPACE NEEDED: 779 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1 (PROJECTED LD43 - BKO)
REQ **prt**
CUST **0**
FEAT **esn**
MXLC 50
MXSD 1500
MXIX 50
MXDM 50
MXRL 100
MXFC 50
MXFS 50
MXSC 100
NCDP 4
AC1 9
AC2 2254
DLTN YES
ERWT YES
ERDT 6
TODS 0 00 00 23 59
RTCL YES
NCOS 0 - 0
NCOS 1 - 1
NCOS 2 - 2
NCOS 3 - 3
NCOS 4 - 4
****
pdt>**dcp 0** **<--display customer pointer to get the P_CUST_DATA_BLK**
CUST 0 **P 01C0AB87** U 03732D2D AUX 01C0AEE1 ICI 01C1CE83 PREXL 00000000 BGD 01C62ED2
pdt>**p 1C0AB87 89** **<--since the cdb structure starts at word 0, printing it for 89 should put you right on word 88.**

01C0AB87 : 00004B0A 00000000 0000FFFF 00000000 00000000 00000000 00000000 00000000
01C0AB8F : 00000000 000041E5 00001112 00000000 00000000 03732D2D 00000001 000016D7
01C0AB97 : 000004DF 00000000 00000000 00000000 00000000 01C1CE83 01C1D985 00000104
01C0AB9F : 00000000 00000000 00008000 00000020 00000000 00000000 00000000 00000000
01C0ABA7 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABAF : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABB7 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABBF : 00000000 00000000 00000000 00000000 00000000 00000000 0000001E 00000002
01C0ABC7 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABCF : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABD7 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABDF : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C0ABE7 : 00000069 0000CFC3 0000C6CE 000000C9 00000000 000000C5 00000000 00000000
01C0ABEF : 00000000 00000000 00000000 00000201 0000396E 0000007F 0000003F 00000F00
01C0ABF7 : 0000380F 0000001E 00000000 00000000 00000000 00000000 00000000 00000032
01C0ABFF : 00009000 00000865 00000865 00000000 00000000 0000805A 00001111 00000000
01C0AC07 : 00000111 0000FF00 0000FFFF 000001E0 00000900 0000201E 01C69351 01C40FDB
01C0AC0F : **01C161D5** **<--word 88 hex (136 decimal) of the cdb is the .P_ESN_DATA_BLK**

```
pdt>p 1C161D5 27 <--27 hex is 39 decimal
01C161D5 : 00000083 01C1630B 00000000 01C28670 01C1D6A7 01C1ED81 01C16258 01C1628A
01C161DD : 01C164EE 00000000 01C1ED4E 01C162FB 01C16303 00000000 00000000 00000000
01C161E5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C161ED : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C161F5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000009 <--ac1
01C161FD : 00004522 <--ac2

pdt>w 1c161fd
01C161FD : 00004522 /0 <--this removes ac2 from the ESN datablock
pdt>
pdt>pua
TRUNK_MONITOR @ 00000778 = 0000
TRUNK_TN @ 00000779 = 0000 0000 0000 0000 0000 0000 0000
DTSL_MONITOR @ 00000F13 = 0000
DTSL_MON_WORDS @ 00000F14 = 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
SNAP_BUG_RAS_OFS @ 0000A40E = 00000000
UIPE_BUG_PRT_CTL @ 000043F2 = 0000
USPARE_WORDS[0] @ 00000A2C , SIZE 0124  PSPARE_WORDS[0] @ 00008EC4 , SIZE 0020
U_JUNK_WORDS[0] @ 00005287 , SIZE 00C8  P_JUNK_WORDS[0] @ 0000AB4D , SIZE 00C8
MEM_PHYS_MEM_LIM  @ 00009B05            LAST_INIT_HOUR @ 00009209
CONFIGLOOP[0] @ 0000972A , SIZE 0100    SYS_XPEC[0] @ 0000984D , SIZE 0064
CRSTART @ 00008003                  CREND @ 00008004
QUEUE_ADDR[0] @ 00008F53 , SIZE 0025
CDNXPTR[0] @ 00009040 , SIZE 0064       SCLMHTPTR @ 0000916C
BCS_TEMPL_HDR @ 000093DB              PBX_TEMPL_HDR @ 000093DC
LOG_IO_PTR @ 0000A636               CONFIGTTYOP[0] @ 0000962A , SIZE 0010
P_MSDLMISP_MHPTR @ 0000A632           IO_TABLE_PTR  @ 00008002
P_VAS_TBL_HDR @ 00009B0C            P_BRI_PROTMHTPTR @ 0000A459
DTSLHT_PTR @ 0000920F               CON_DDCS_FLAG[0] @ 00009684 , SIZE 0100

pdt>p 9040 <--CDNXPTR
00009040 : 01C1909A
pdt>p 1C1909A b                     2
01C1909A : 000007FE 01C19130 01C1910C 01C0F831 01C2CD93 01C43314 01C1C8C2 01C19389
01C190A2 : 01C0B8DA 01C1917E 01C190A7
pdt>p 1C1910C b                     2
01C1910C : 000007AE 01C1E242 01C1D22F 01C1E43C 00000000 01C19459 00000000 01C1D20A
01C19114 : 01C191B2 01C19157 01C19118
pdt>p 1C1D22F b                                                 5
01C1D22F : 00000620 00000000 00000000 00000000 00000000 01C719DB 00000000 00000000
01C1D237 : 00000000 01C1E3D4 01C1E5F4
pdt>p 1C719DB b                                     4
01C719DB : 00000010 00000000 00000000 00000000 01C2B712 00000000 00000000 00000000
01C719E3 : 00000000 00000000 00000000
pdt>w 1c719db
01C719DB : 00000010 /0 <--removes place value holder for 2254
01C719DC : 00000000 /
01C719DD : 00000000 /
01C719DE : 00000000 /
01C719DF : 01C2B712 /0 <--removes pointer to the data for 2254
pdt>dnt 0 2254
DIG 4 INV
pdt>sl1input
```

REQ: prt
TYPE: ludn
CUST 0
DN 22

CUSTOMER 00 - UNUSED DNS:
2200 2202 2203 2204 2205 2206 2207 2208 2209 221
222 223 224 **2250** **2251** **2252** **2253** **2254** **2255** **2256** <--since now all 225x are open
2257 **2258** **2259** 226 227 228 2290 2292 2293 2294 i needed to write out 225x
2295 2296 2297 2298 2299

pdt>p 9040 <--CDNXPTR
00009040 : **01C1909A**
pdt>p 1C1909A b 2
01C1909A : 000007FE 01C19130 **01C1910C** 01C0F831 01C2CD93 01C43314 01C1C8C2 01C19389
01C190A2 : 01C0B8DA 01C1917E 01C190A7
pdt>p 1C1910C b 2
01C1910C : 000007AE 01C1E242 **01C1D22F** 01C1E43C 00000000 01C19459 00000000 01C1D20A
01C19114 : 01C191B2 01C19157 01C19118
pdt>p 1C1D22F b 5
01C1D22F : 00000**620** 00000000 00000000 00000000 00000000 **01C719DB** 00000000 00000000
01C1D237 : 00000000 01C1E3D4 01C1E5F4

pdt>w 1C1D22F
01C1D22F : 00000620 /600 <--removes the place value holder for 225
01C1D230 : 00000000 /
01C1D231 : 00000000 /
01C1D232 : 00000000 /
01C1D233 : 00000000 /
01C1D234 : 01C719DB /0 <--removes the pointer to the data for 225
pdt>sl1input

REQ prt
TYPE: ludn
CUST 0
DN 22

CUSTOMER 00 - UNUSED DNS:
2200 2202 2203 2204 2205 2206 2207 2208 2209 221
222 223 224 **225** 226 227 228 2290 2292 2293
2294 2295 2296 2297 2298 2299
****

```
                CUSTOMER DATA BLOCK
-------------------------------------------------------------
PSTRUCTURE .P_CUST_DATA0 P_CUST_DATA_BLK
INTEGER CUSTBLOCKLENGTH (0,0,9),
        CAMPTONE      (0,9,1),
        INTERCEPT     (0,10,1),
        SECRECY       (0,11,1),
        ICIFLAG       (0,12,1),
        TGBFLAG       (0,13,1),
        DISPFLAG      (0 14 1),
        BLFLAG        (0 15 1),
        CUSTOPT       (0,8,1) 80,
spare words           (1) 80,
INTEGER PRA_RCNT       (9,0,3),    max redir. ctr value
INTEGER BLF_ENHANCED   (9,3,1),    EBLF FEATURE OPTION
INTEGER ARHC_DBRC      (9,4,7),
*P
      FIT_SL1_OPT     (9,11,1),   FIT ALLOWED/DENIED FOR
                                  SL1 SETS
      FIT_DIG_OPT     (9,12,1),   FIT ALLOWED/DENIED FOR
                                  DIGITAL SETS
INTEGER FTC_ORIG_TABL   (9,13,1),   USE TONE TABLE DEFND
                                  BY ROUTE
      DCON_CWUP       (9,14,1),
      SFPREFIX        (10),
      BLF_TN          (11) 20,
UPOINTER  .U_CUST_DATA0
      UCUSTDATA_PTR   (13),
INTEGER MNALARMFLAG     (14),
      TFS_SCHED_C     (15),
      TFS_START_C     (15,0,5),
      TFS_END_C       (15,5,5),
      TFS_PERIOD_C    (15,10,2),
*P
      SCCFNANS        (15,12,4),
      TFS_OPTIONS_C   (16),
      EXPTN_VALUE_IML (17),
      EXPTN_VALUE_OML (18),
      EXPTN_VALUE_ASA (19),
      EXPTN_VALUE_ATB (20),
PPOINTER  .P_CUST_DATA0
      ICITABLE_PTR    (21),
PPOINTER  .P_DN_TRANS0 FFC_CDNXPTR (22), FFC tree root
INTEGER FFC_SCP_OLDLEN  (23,0,4),       old password length
      FFC_SCP_NEWLEN  (23,4,4),       new password length
      FFC_TONE_FLAG   (23,8,1),       flag for FFCT
INTEGER PRA_HNPA        (24),          HNPA digits
      PRA_HNPA_DGTS   (24,0,4) 40
      PRA_PREFIX1     (24),Inter. prefix corresp. to HNPA
      PRA_PREFIX1 DGTS(24,0,4) 40,
*P
      PRA_HNXX        (25),          HNXX digits
      PRA_HNXX_DGTS   (25,0,4) 40,
      PRA_PREFIX2     (25),Inter. prefix corresp. to HNXX
      PRA_PREFIX2_DGTS(25,0,4) 40,
      FFC_EOD_STRG    (26,0,4) 30,  EOD string
      FFC_CHG_EOD     (26,12,1),    Flag to indicate eod
                                    may be different than
      FFC_EOD_LGT     (26,13,2),    Length of eod string
      CSL_NONACD_VSID (27,0,5),     non acd VAS ID
      CSL_STATUS_IAPG (28) 80,      ISDN/AP Stat. Grp 2-9
STRUCTURE SL1DN_TYPE                Reserves 2 words of
      BLF_DN          (103),        storage
INTEGER AIOD_PREF       (105,0,8),
      AIOD_PCOUNT     (105,12,4),
      AIOD_ATTN       (106),
      TFS_SDAY_C      (107),
*P
```

```
      TFS_STRT_DAY_C  (107,0,9),
      TFS_STRT_MTH_C  (107,9,4),
      TFS_STRT_LP_C   (107,13,1),
      FNARS           (107,14,1),
      I_HOLD_OPTION   (107,15,1),   Indiv. hold allowed.
      TFS_EDAY_C      (108),
      TFS_END_DAY_C   (108,0,9),
      TFS_END_MTH_C   (108,9,4),
      TFS_END_LP_C    (108,13,1),
 spare bits           (108,14,2),
      TFS_DOW_C       (109),
      CFWNA_NDIDT     (110,0,2),    CFNA NON-DID TRK CALL
      CFWNA_NDIDL     (110,2,2),    CFNA LOCAL CALL
      CFWNA_DID       (110,4,2),    CFNA DID CALL
      SLP_INT_TREAT   (110,6,2) 50, SLP intrcpt treatment
      CAMP_RECALL     (111,8,8),
*P
      CWAIT_RECALL    (112,0,8),
      DISA_LOCKOUT_OPT(112,8,2),
      CDR_TRCR        (112,10,1),
      CDR_ENABLE      (112,11,1),
      CDR_AUXID       (112,12,1),
      CFWD_OPTION     (112,13,1),
 spare bit            (112,14,1),
 spare bit            (112,15,1),
      SA_RECALL       (113,0,9),
 spare bits           (113,9,7),
      SLP_RAN_ROUT    (114) 50,     SLP RAN route number
      DIG_GRP_NUM     (119,0,11),
 spare bits           (119,11,5),
      RLA_ROUTE_NO    (120,0,9),
 spare bits           (120,9,7),
 spare bits           (121,0,10),
*P
 spare bits           (121,10,6),
 spare bits           (122,0,10),
 spare bits           (122,10,6),
 spare bits           (123,0,10),
      PRA_TRANS_MAP   (123,10,1) 60,
      DND_ROUTE       (124,0,9),
      LOCKOUT         (124,9,1),
      AAA_TIME        (124,10,6),   AAA timer/2 in secs.
      PBX_FLASH_TO    (125,0,11),
      IMS_ALLOWED     (125,11,1),
      COP_ALLOWED     (125,12,1),
      GRP_PU_DIG      (125,13,2),
      DIST_DIGRING    (125,15,1), distctv DIG ring on/off
 STRUCTURE SL1DN_TYPE              reserves 2 words
      ANI_ATTN_NO     (126),
 INTEGER ANI_ATTN_DIGIT  (126,0,4)  .DNSIZE DESIGN0,
*P
      ANI_LDN_DIGIT   (128,0,4)  50,
      MDR_MINI_PORI   (129,4,1),  Send recs. to mini CDR
      IMA_ALLOWED     (129,5,1),
      LINE_LOCKOUT_OPT(129,6,2),
 spare bits           (129,8,8),
 spare bits           (130,0,8),
 spare bits           (130,8,8),
 spare bits           (131,0,8),
 spare bits           (131,8,8),
      CDR_PORTS       (132),
      CDR_PORT        (132,0,1)   160,
      PHD_RING_INTERV (133 0 6),
      CHG_ACNT_LENGTH (133 6 5),  Define chg acnt length
      MW_DID          (133,11,1),
      MW_NON DID      (133,12,1),
      MWENABLE_OPTION (133,13,1),
```

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*P
      MWFB          (133,14,1),
      MWC_ATTN_ALLOWED(133,15,1),
PPOINTER  .P_ACD_LIST0          Points to ACD list, nil
      ACD_LIST_PTR    (134),    if no ACD DNs.
PPOINTER  .P_DISA_LIST0         Points to DISA list for
      DISA_LIST_PTR   (135),    this cust, nil if no DN.
PPOINTER  .P_ESN_DATA_BLK0      Points to ESN data blk,
      ESN_DATA_BLK_PTR(136),    nil if no ESN this cust. <--word 136 decimal=word 88 hex
INTEGER SECURE_DATA_PSWD(137), Protect data from tampering.
STRUCTURE SL1DN_TYPE          Reserves 2 words of storage
      ATTN_DN        (138), DN provides access to attn
      LOCAL_ATTN_DN   (140), Access only to local attn
INTEGER ACD_D_ON       (142,0,1), Cust has ACD pkg D
      AGENT_ID_MODE   (142,1,1), set if agent ID is used
      DATA_SERV_OPTION(142,2,1), access IS/Data servics
      CUST_CPG_ON     (142 3 1), CPG Level Services act.
*P
      CAS_CDN TONE    (142,4,1), Define optional LDN tone
      CAS_ACTIVE      (142,5,1), CAS is active
      CAS_MAIN SITE   (142,6,1), This is a main
      CAS_DEFACLT     (142,7,1),
      CAS_EXISTS      (142,8,1), This is a CAS customer
spare bits            (142,9,7),
STRUCTURE SL1DN_TYPE            two words of storage
      CAS_HOLD_DN     (143),
INTEGER HOLD_RECALL     (145,6,8), Time-out for hold recall
      EMUS_TO_SETS    (145,8,1), EMUS on/off
spare bits            (145,9,3),
      ACD_ALT_PCP_LED (145,12,1),
      EES_TONEFB_OPT  (145,13,1), EES tone feedback option
      LNR_ALLOWED     (145,14,1), lnr allowed for customer
      CPRK_OPTION_FLAG(145,15,1),
PPOINTER .P_CAS_KEY_DATA0         Ptr to blk of TNs for a
*P
      CAS_KEY_BLK_PTR (146),      CAS key is defined.
PPOINTER .P_ACD_SCHED_BLK0
      ACD_SCHED_PTR   (147),
INTEGER ESN_OHQ_THRESH  (148),
      ESN_TRAF_OPTION (149),
      NIGHT_SERV_FLAG (150,0,1),
      TELMSG_ALLOWED  (150,1,1),
      TELST_ALLOWED   (150,2,1),
      CHG_ACNT_MIN    (150,3,5),  Min. chg acct length
      FCA_FLAG        (l50,8,1),  Forced chg acct flag
      DND_TRTMNT      (150,9,2),
spare bits            (150,11,5),
spare words             (151) 20,
spare bits            (153,0,8),
spare bit             (153,8,1),
      CONG            (153,9,1),
*P
      DND_DISP_OPT    (153,10,1), DND shares MW lamp
      DND_HUNT_OPT    (153,11,1), DND hunting allowed.
      DIST_RING_CFNA  (153,12,4), Distinctive ringing num
                                  of CFNA triple cycles.
      SR_SEC_CODE     (154),
      ATTN_ADM_PASS   (155),
PPOINTER .P_NCTL_DATA_BLK0
      NCTL_DB_PTR     (156),
PPOINTER .P_AUTH_HEADER0
      P_AUTH_TBL_PTR  (157),
PPOINTER .P_ACD_DATA0
      AGENT_ID_TBL_PTR(158),
INTEGER AGENT_ID_MAX    (159,0,10),
      HM_ECC1_COSRESTR(159,10,3),
      HM_ECC2_COSRESTR(159,13,3),
```

```
      AGENT_ID_LOW    (160),      Agent ID lower bound
*P
      AGENT_ID_HIGH   (161),      Agent ID upper bound
 spare bits           (162,0,1) 200,
 spare bits           (163,0,4),
 spare bits           (163,4,10),
      ROA_OPT_EN      (163,14,1)
      DLDN_ON         (163,15,1), DLDN feature tlag
 spare bits           (164,0,14),
 spare bits           (164,14,2),
 spare bits           (165,0,7),
      NFCR_ACTIUE     (165,7,1),
      NFCR_NO_TREES   (165,8,8),
 spare bits           (166,0,10),
      CFWD_TA         (166,11,1),
      SIG_DEST_FLH_TM (166,12,4), Signal dest flash timer
      CUST_IMA_APL_OP (167),
      CUST_IMA_APL_OPB(167,0,1) 160,
*P
 PPOINTER .P_CUST_DATA0
      PCPRK_BLK_PTR   (168),    Points to call park block
 STRUCTURE SL1DN_TYPE
      TSTLINES_DN     (169) 90 ,
      REFTRK_DN       (169) 40 ,
      TSTTRK_DN       (177) 40 ,
      TST_100_DN      (185),
 PPOINTER .P_CODE_REST0
      NFCR_PTR        (187),
 INTEGER CUST_TMG_APL_OP (188),
      CUST_TMG_APL_OPB(188,0,1) 160,
      CUST_TST_APL_OP (189),
      CUST_TST_APL_OPB(189,0,1) 160,
      ATTNS_STATUS    (190,0,l6)  .ATTN_ARRAY_SIZE, 63
      ATTN_STATUS     (190,0,1)   .MAX_NUM_ATTNS +10, 63
      AMP_ADCP        (194),  all digital connect prefix
*P
                           not expanded tor DNXP
      HM_CCOS_COSRESTR(195,0,3),   Controlled class of
                           service rest. level
      PREO          (195,3,2),   pretran5ldtion option
      ACD_DNIS_CDBOPT (195,5 1),   ACD DNIS option
      ACD_DNIS_LNKOPT (195,6,1),   ACD DNIS link option
      ACD_DNIS_APLNUM (195,7,4)    ACD DNIS link number
 spare bits           (195,11,5)
 PPOINTER .P_VAS_DATA0          Value Added Services Data.
      DSDN_VAS_TBL_PTR(196),   Ptr to data BLK is indexed
                        by VAS_ID - VAS_ID_OFFSET.
 INTEGER DLDN_ATTNS      (197,0,16) 160, 4-word (63 max) bit
      DLDN_ATTN       (197,0,1) 16*160, map for 4 DLDN's
 spare bits           (213,0,8) 40,
 spare bits           (215,0,8) 40,
 INTEGER SPVC_NUMBER     (217,0,6), attn number assign
*P
      SPVC_IO_TYPE    (217,6,2), attn status tgb or blf
      ICI_THRESHOLDS1 (217,8,8), ici thresh for supv mode
      ICI_THRESHOLDS2 (218,0,8),
      ICI_THRESHOLDS3 (218,8,8),
 INTEGER DTIDT_NONDTR    (219,0,5)
      DTIDT_DTR       (219,5,5),
      BTOFT_TIMER     (219,10,5),
      CDPR_OPTION     (219,15,1),
      HOT_LIST_ID     (220,0,13), hot list id (0 - 255)
      HOT_RESTRICT    (220,13,1), O - no restriction
                       1 - hot to hot only
      DID_ROUTE_OPT   (220,14,1) Allow the routing of DID
                      trunks to a distant steering
                      code over CO trunks and WATS
                      trunks
 spare bits           (220,15,1)
```

```
*P
       IDC_ACTIVE      (221,0,1), DID IDC actiue
       IDC_NO_TREES    (221,1,8), IDC number of trees used
       FCA_NCOS        (221,9,7), only if FCA_FLAG is on.
 STRUCTURE SL1DN_TYPE           Reserves 2 words of storage
       SLP_CPAS_DN     (225),      Central Precedence
                                   Answering Station DN
 spare bits            (227,0,12), moved to word 24
 INTEGER ISDN_PRA_FLG    (227,12,1), ISDN PRA 0-ISA allowed
                                     1-ISA denied
       PRA_CNTP        (227,13,1),CLID BASED ON PDN OR LDN
 spare bits            (227,14,2),
 spare bits            (228,0,12), moved to word 25
       PRA_HLOC        (229)       HLOC digits
       PRA_HLOC_DGTS   (229,0,4) 40,
 STRUCTURE SL1DN_TYPE
       PRA_LSC         (230),      HLSC digits
*P
 INTEGER PRA_LSC_DGTS    (230,6,4)   .DNSIZE_DESIGN0,
       CUST_PNI_ID     (232),      PRIVATE NETWORK ID
       EMUS_SET_ROUT   (233,6,9),  Enhanced Music Route
       ATTN_NCOS       (233,9,7),
 spare words           (234)  80,
 PPOINTER .P_PREXL_BLK0
       PREXL_BLK_PTR   (242),     pointer to pretranslation
                                  block
 INTEGER RAN_ROUT        (250) 120;
*E
```

ESN DATABLOCK

```
-------------------------------------------------------------------
PSTRUCTURE [.P_ESN_DATA_BLK] ESN_DATA_BLOCK
33725 1 2              INTEGER ESN_DATA_BLK_LEN (0,0,8),
33726 1 2
33727 1 2              NARS DATA
33728 1 2
33729 1 2              PPOINTER [.P_ESN_TRANS] NET_TRAN_TBL_PTR     (1) [2],
33730 1 2              PPOINTER [.P_ESN_SDR_HT] ESN_SDR_HT_PTR      (3),
33731 1 2              PPOINTER [.P_ESN_LOC] ESN_LOC_RTE_PTR       (4),
33732 1 2              PPOINTER [.P_ESN_ROUTE_HT] ESN_RL_HT_PTR     (5),
33733 1 2              PPOINTER [.P_ESN_MANIP_HT] ESN_DM_HT_PTR     (6),
33734 1 2              PPOINTER [.P_ESN_FCAS_HT] ESN_FCAS_HT_PTR    (7),
33735 1 2              PPOINTER [.P_CDP_LIST] CDP_LIST_PTR          (8),
33736 1 2              PPOINTER [.P_ESN_MANIP_HT] ESN_TDET_HT_PTR   (9),
33737 1 2              PPOINTER [.P_ESN_ITGE_HT] ESN_ITGE_HT_PTR    (10),
33738 1 2
33739 1 2              Pointers to the Flexible ESN 0 Routing tables
33740 1 2
33741 1 2              PPOINTER [.P_ESN_TRANS] ESN_0_ROUTE_PTR      (11) [2],
33742 1 2
33743 1 2             TIME OF DAY DATA
33744 1 2
33745 1 2              INTEGER ESN_TOD_HOUR                          (13) [24],
33746 1 2              ESN_TOD_QUARTER                                  (13,0,4) [96],
33747 1 2
33748 1 2              ESN TRANSLATOR DATA
33749 1 2
33750 1 2              INTEGER NET_ACCESS_CODES              (39) [2], <-this means word 39 (DECIMAL)
                                                                       and it is two words long (ac1,ac2)
```

By Allen Russell

DN 2057 is corrupt

PT0000
REQ: prt
TYPE: dnb
CUST 0
DN 2057
DATE
PAGE
DES
NO ACT SINCE NO DATE<--sign of dn corruption when there is no line feed
between DES and NO ACT SINCE.....

pdt>pua
TRUNK_MONITOR @ 000A55 = 000000
TRUNK_TN @ 000A56 = 000000 000000 000000 000000 000000 000000 000000
DTSL_MONITOR @ 0011C7 = 000000
DTSL_MON_WORDS @ 0011C8 = 000000 000000 000000 000000 000000 000000 000000 00000
0 000000 000000
SNAP_BUG_RAS_OFS @ 00A5ED = 000000
UIPE_BUG_PRT_CTL @ 0043CF = 000000
USPARE_WORDS[0] @ 000CFE , SIZE 011E PSPARE_WORDS[0] @ 008FC4 , SIZE 0020
U_JUNK_WORDS[0] @ 0051F1 , SIZE 00C8 P_JUNK_WORDS[0] @ 00AEC6 , SIZE 00C7
Z_PHYS_MEM_LIM @ 009CE4 LAST_INIT_HOUR @ 00935C
CONFIGLOOP[0] @ 009911 , SIZE 0100 SYS_XPEC[0] @ 009A32 , SIZE 0064
CRSTART @ 008014 CREND @ 008015
QUEUE_ADDR[0] @ 009063 , SIZE 0025
CDNXPTR[0] @ 009150 , SIZE 0064 SCLMHTPTR @ 00927C
BCS_TEMPL_HDR @ 009584 PBX_TEMPL_HDR @ 009585
LOG_IO_PTR @ 00A80F CONFIGTTYOP[0] @ 009811 , SIZE 0010
P_MSDLMISP_MHPTR @ 00A80D IO_TABLE_PTR @ 008013
P_VAS_TBL_HDR @ 009CEC P_BRI_PROTMHTPTR @ 00A639
DTSLHT_PTR @ 009364 CON_DDCS_FLAG[0] @ 00986B , SIZE 0100

pdt>pdt>p 9150 <-**cdnxptr**=customer directory number pointer
00009150 : 000**A579B**
pdt>p a579b b <-print for "b" in hex or "11" words in decimal
head_ptr digit 1 2 3 4 5 6 7
00A579B : 000005FE 000A58A0 000**A5D7D** 000A57F5 000A598D 000A5819 000A5879 000A8AD6 ←*2*
8 9 0
000A57A3 : 000A57E9 00000000 000A57A8
pdt>p a5d7d b
head_ptr digit 1 2 3 4 5 6 7
000A5D7D : 000007FE 000A5DBB 000A5F4B 000A5E05 000A6021 000A5E35 000A5EF7 000A5E4D
8 9 0
000A5D85 : 000A60AD 000A5EC7 000**A5D89** ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←*20*
pdt>p a5d89 b
head_ptr digit 1 2 3 4 5 6 7
000A5D89 : 000007FE 000A6381 000A5E89 000A638D 000A5F3F 000**A6015** 000A61F1 000A5FB1 ←*205*
8 9 0
000A5D91 : 000A6917 000A627B 000A5D95
pdt>p a6015 b
head_ptr digit 1 2 3 4 5 6 7
000A6015 : 000007**FE** 000A8F54 000A8176 000A81EE 000A84C3 00009C92 000B2425 000**5D8C0** ←*2057*
8 9 0
000A601D : 000B820B 000B668D 000A8EE0
pdt>dnt 0 2057 <-check to make sure you are in the correct location
DIG 4 BCS
000**5D8C0** : 00008209 00000000 00000000 000B46F1 00000000 000003FF 00000000 00000023
0005D8C8 : 0000280C

7FE is the hex value that represents the place value of each digit that follows....
by place value I mean wether or not the digit field has data in it.

```
 7       F       E
8421    8421    8421
0111    1111    1110
 098    7654     321 <--last digit of the dn's
  7       7       E
8421    8421    8421
0111    0111    1110
 098    7654     321 <--last digit of the dn's
```

8421=everywere there is a 1 you add the value of that column

```
0       0000
1       0001
2       0010
3       0011
4       0100
5       0101
6       0110
7       0111
8       1000
9       1001
a       1010
b       1011
c       1100
d       1101
e       1110
f       1111
```

```
pdt>w a6015
000A6015 : 000007FE /77e <space>
000A6016 : 000A8F54 / <space>
000A6017 : 000A8176 / <space>
000A6018 : 000A81EE / <space>
000A6019 : 000A84C3 / <space>
000A601A : 00009C92 / <space>
000A601B : 000B2425 / <space>
000A601C : 0005D8C0 /0 <cr>
pdt>dnt 0 2057
DIG 4 INV
pdt>
```

By Allen Russell

Corrupted ACD ***ACD Queue: 1593 Agent ID: 7223 DN: 1229***

DN **1593** (ACD Queue)
TYPE MCDN
MCID 7287 TN 032 0 10 07
MCID 7211 TN 008 0 01 02
MCID 7217 TN 008 0 01 03
MCID 7273 TN 008 0 04 02
MCID 5251 TN 072 0 03 06
MCID 7226 TN 008 0 01 04
MCID (corrupted Agent set)
MCID 5232 TN 072 0 03 05
MCID 7237 TN 020 0 10 09
MCID 7246 TN 032 0 06 00
MCID 7232 TN 032 0 05 04
MCID 7242 TN 032 0 05 12
MCID 7236 TN 032 0 05 09
MCID 7245 TN 032 0 05 15
MCID 7244 TN 032 0 05 13
MCID 7297 TN 072 0 10 04
MCID 7243 TN 032 0 06 14
MCID 5234 TN 072 0 04 07
MCID 7234 TN 032 0 05 11
MCID 7235 TN 032 0 06 13
MCID 7137 TN 016 0 04 13
MCID 7139 TN 016 0 06 13
MCID 7138 TN 016 0 05 13
MCID 7261 TN 016 0 04 09
MCID 7228 TN 032 0 05 10

NACT
REQ: prt
TYPE: dnb
CUST
DN 7223
DATE
PAGE
DES

CUST 00

DN **7233** (ACD Agent ID)
TYPE ACID
TN 016 0 05 12

NACT
REQ:
REQ PRT
TYPE:
TYPE DNB
CUST
DN 1229 (DN of corrupted set)
DATE
PAGE
DES

CUST 00

NO ACT SINCE NO DATE

```
NACT
REQ: prt
TYPE: tnb
TN   16 0 5 12
DATE
PAGE
DES

DES  414
TN   016 0 05 12
TYPE 2616
CDEN 8D
CUST 0
AOM  0
FDN  1130
TGAR 0
LDN  NO
NCOS 0
SGRP 0
RNPG 14
SCI  0
SSU
LNRS 16
XLST
SCPW
CLS  UNR FBD WTD LPR PUA MTD FNA HTA ADD HFD
MWA AAD IMD XHD IRD NID OLD VCE DRG1
     POD DSX VMD CMSD CCSD SWD LNA CNDA
     CFTD SFD MRD DDV CNID CDCA
     ICDD CDMD MCTA CLBD AUTU
     GPUD DPUD DNDA CFXD ARHD FITA CNTA CLTA ASCD
     CPFD CPTD ABDD CFHD FICD NAID
     DDGA NAMA
     USRD ULAD RTDD PGND OCBD FLXD FTTU
CPND_LANG ENG
RCO  0
HUNT 1130
LHK  1
PLEV 02
SPID 7228
AST
IAPG 0
AACS NO
ITNA NO
DGRP
PRI  01
MLWU_LANG 0
DNDR 0
KEY  00 ACD 1593 0  7233
         AGN
     01 SCR 1229 0
     02 MSB
     03 NRD
     04 DWC 1593
     05 SCC 0048
     06 ACNT
     07
     08 AO6
     09 RGA
     10 DSP
     11
```

12
13
14
15 RNP
DATE 27 AUG 1999

Removing ACD Agent ID

pdt> **p 9036** (CDNXPTR for software release of PBX)

00009036 : **0007902C**
pdt> **p 7902C b**

(7)
0007902C : 000003FE 000790C3 0007914D 00079393 0007930C 0007909E 0007953A **000791B3**
00079034 : 00079039 000793F6 00009FD2

pdt> **p 791b3 b**

(2)
000791B3 : 00000046 0007977A **000791BF** 00000000 00000000 00000000 00079586 00000000
000791BB : 00000000 00000000 00000000
pdt> **p 791BF b**

(3)
000791BF : 000007FE 000795E6 0007973C **00079AB0** 00079A10 00079A3A 000799BC 00079686
000791C7 : 00079AC2 000791CB 000795D6
pdt> **p 79AB0 b**

(Header Bit Address) (3)
00079AB0 : **000007FE** 00079CEE 0005DCF1 **0008071C** 0008078F 0007C6BF 0007AFCE 0008033E

(Header Bit)
00079AB8 : 00079B58 00079B54 00079B2E
pdt> **w 79AB0**

7FE	**7**	**F**	**E**
	0111	**1111**	**1110**
	098	7654	321
=	**0111**	**1111**	**0110**
	7	**F**	**6**

00079AB0 : **000007FE /7f6** (Write the header bit out)
00079AB1 : 00079CEE /
00079AB2 : 0005DCF1 /
00079AB3 : **0008071C /0** (Write the last number to zero in this case #3)
pdt> **dnt 0 7233**

DIG 4 INV
pdt> **sl1input**

REQ: prt
TYPE: dnb
CUST 0
DN 7233
DATE
PAGE
DES

SCH0881

NO ACT SINCE NO DATE

Print the ACD queue again

>ld 20

PT0000
REQ: prt
TYPE: dnb
CUST 0
DN 1593
DATE
PAGE
DES

DN 1593
TYPE MCDN
MCID 7287 TN 032 0 10 07
MCID 7211 TN 008 0 01 02
MCID 7217 TN 008 0 01 03
MCID 7273 TN 008 0 04 02
MCID 5251 TN 072 0 03 06
MCID 7226 TN 008 0 01 04
MCID (Corruption is still there, you need to remove the agent from the queue)
MCID 5232 TN 072 0 03 05
MCID 7237 TN 020 0 10 09
MCID 7246 TN 032 0 06 00
MCID 7232 TN 032 0 05 04
MCID 7242 TN 032 0 05 12
MCID 7236 TN 032 0 05 09
MCID 7245 TN 032 0 05 15
MCID 7244 TN 032 0 05 13
MCID 7297 TN 072 0 10 04
MCID 7243 TN 032 0 06 14
MCID 5234 TN 072 0 04 07
MCID 7234 TN 032 0 05 11
MCID 7235 TN 032 0 06 13
MCID 7137 TN 016 0 04 13
MCID 7139 TN 016 0 06 13
MCID 7138 TN 016 0 05 13
MCID 7261 TN 016 0 04 09
MCID 7228 TN 032 0 05 10

NACT
REQ: prt
TYPE: tnb
TN 16 0 5 12
DATE
PAGE
DES

SCH0805

Removing Agent from ACD queue

pdt> **dnt 0 1593**

DIG 4 ACD
0005EE50 : 0000CA03 00000000 00000011

(Customer pointer)

pdt>
pdt> **dcp 0**

(Protected ACD block pointer)

CUST 0 P **058874** U 695008 AUX 05B297 ICI 000000 PREXL 000000 BGD 067413
pdt> **p 058874 87** (print the protected ACD block pointer for 87 words)

00058874 : 00000904 00000000 0000FFFF 00000000 00000000 00000000 00000000 000000
0005887C : 00000000 000019E5 00009595 00000000 00000000 00695008 00000000 000014
00058884 : 00000007 00000000 00000000 00000000 00000000 00000000 00077816 000000
0005888C : 000008A6 00000A52 00005022 0000FEDA 00000000 00000000 00000000 000000
0000058894 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 0000
0005889C : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
000588A4 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
000588AC : 00000000 00000000 00000000 00000000 00000000 00000000 0000001E 0000FF
000588B4 : 0000FFFF 0000FFFF 0000FFFF 00000000 00000000 00000000 00000000 0000FF
000588BC : 0000FFFF 0000FFFF 0000FFFF 00000000 00000000 00000000 00000000 000000
000588C4 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 0000C0
000588CC : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
000588D4 : 00000029 0000CFC3 0000C6CE 000000C9 00000000 000000C5 00000000 00000
00000588DC : 00000000 00000000 00000000 00004201 0000396E 00000002 0000003F 0000
000588E4 : 00001C0F 0000001E 00000000 00000000 00000000 00000000 00000000 000000
000588EC : 00008000 00000864 00000864 00008000 00000000 0000085A 00000952 00000000
000588F4 : 00009925 0000FF20 0000FFFF 00000800 0000201E **00080615** ACD pointer
pdt> **p 80615 20** (Print the ACD pointer)

00080615 : 00000037 00075CBA 00075C59 00075BF8 00075B6C 00075B0F 00075AB2 00075A55
0008061D : 000759EA 0007597A 0007591D 000758BC 0007585F 00075802 0007579C 0007573E
(#19)
00080625 : 000756E1 0007567B **000673C8** 0007559A 0007553D 000754E0 00075483 0007541D
0008062D : 000753AD 0007533D 000752DC 0007527F 00075219 000751B3 00075152 000750

pdt> **p 673C8 50**

(ACD queue DN) (ACD_POS_LIST_PTR)

000673C8 : 0000004B **00003951** 00000000 006786AC **000755F7** 00000028 00000002 000401E
000673D0 : 000003FF 00000000 00000000 00000000 00000000 00000000 00000000 0000C001
000673D8 : 00004804 00000006 000
000673E0 : 00000000 00000000 000
000673E8 : 00000000 00000232 000
000673F0 : 00000000 00000000 000
000673F8 : 00006428 00000000 000
00067400 : 00000000 00000000 000
00067408 : 00000000 00000000 000
00067410 : 00000000 00000000 00000000 00000049 00000000 00000000 00000000 0000C0
pdt>**p 755F7 50** (Print ACD_POS_LST_PTR)

REQ lst
TYPE acd
CUST 0

TYPE ACD
CUST 0
ACD 1801
1190
1485
1130
1133
1525
2580
1844
1449
1131
1810
1596
7299
1197
1808
1132
1336
1593 (19th ACD queue)
1600

pdt> **tnt 16 0 5 12**

UNEQPD SLOOP TN **0010D4**
GP 0005CD32 SLP 000605EB 0068FE49 CD 00060A93 0068DF38
LN 0006755D 00000000

000755F7 : 00000038 0000001A 00002096 00004815 00002054 0000206D 00000000 00000000
000755FF : 00000000 00000000 00000404 00000404 00000000 00000000 00000000 00000000
(ACD TN)
00075607 : 0000206B 00000806 00000807 00000812 0000484E 00000844 **000010D4** 0000484D
0007560F : 000014A9 00002018 00002054 000020D4 00002095 000020D7 000020D5 00004868
00075617 : 000020DA 00004853 00002097 000020D9 000010D1 000010D9 000010D5 00001091
0007561F : 00002096 00004814 00000000 00000000 00000000 00000000 00000000 00000000
00075627 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0007562F : 00000044 00000982 00000000 00000408 0000013E 0000A311 00000000 00000000
00075637 : 00000000 00000000 00006060 0000000E 000020C0 00004404 00000043 00002000
0007563F : 00000000 00001000 00000100 00000010 00000000 00000000 00000000 00001100
pdt> **w 75607**

00075607 : 0000206B /
00075608 : 00000806 /
00075609 : 00000807 /
0007560A : 00000812 /
0007560B : 0000484E /
0007560C : 00000844 /
0007560D : **000010D4 /0** (Write the TN to 0)
pdt> **sl1input**

>ld 20

PT0000
REQ: prt
TYPE: dnb
CUST 0
DN 1593
DATE
PAGE
DES

DN 1593
TYPE MCDN
MCID 7287 TN 032 0 10 07
MCID 7211 TN 008 0 01 02
MCID 7217 TN 008 0 01 03
MCID 7273 TN 008 0 04 02
MCID 5251 TN 072 0 03 06
MCID 7226 TN 008 0 01 04
MCID 5232 TN 072 0 03 05
MCID 7237 TN 020 0 10 09
MCID 7246 TN 032 0 06 00
MCID 7232 TN 032 0 05 04
MCID 7242 TN 032 0 05 12
MCID 7236 TN 032 0 05 09
MCID 7245 TN 032 0 05 15
MCID 7244 TN 032 0 05 13
MCID 7297 TN 072 0 10 04
MCID 7243 TN 032 0 06 14
MCID 5234 TN 072 0 04 07
MCID 7234 TN 032 0 05 11
MCID 7235 TN 032 0 06 13
MCID 7137 TN 016 0 04 13
MCID 7139 TN 016 0 06 13
MCID 7138 TN 016 0 05 13
MCID 7261 TN 016 0 04 09
MCID 7228 TN 032 0 05 10
MCID 5235 TN 072 0 05 00

REQ: prt
TYPE: dnb
CUST 0
DN 7233
DATE
PAGE
DES

SCH0881

NO ACT SINCE NO DATE

REQ: prt
TYPE: tnb
TN 16 0 5 12
DATE
PAGE
DES

SCH0805

LD 11 Program Moved the Supervisor TN 12-0-5-9 H.C95
Debug programmed out Supervisor TN and DN
Need to Program out Supervisor from ACD List

pdt> **p 05FB2C 50**
Queue # ACD Lst Ptr
0005FB2C : 0000004B 00003A74 00000000 002C8144 0005FB77 00000014 00000001 0000001E
0005FB34 : 000003FF 00000000 00000000 00000000 00000000 00000000 00000000 00008002
0005FB3C : 00004002 00000004 00009464 00000000 0000A275 00000000 00000000 00000000
0005FB44 : 00000000 00000000 00000000 00000000 00000000 00000000 00000010 00000006
0005FB4C : 00000040 0000020B 00003000 00000000 00000004 00000005 00000100 00000000
0005FB54 : 00000000 00000000 0000000C 0000000D 00000000 00000000 00000000 00003842
0005FB5C : 00006428 00000000 00001000 00000000 00000000 00000000 00000000 00000000
0005FB64 : 00000000 00000000 00000000 00006565 00000000 00000000 00000000 00000000
0005FB6C : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0005FB74 : 00000000 00000000 00000000 00000025 00000009 00000C95 00000000 00000000

pdt> **p 05FB77 50**
#of Agts Supervisor TN(s)
0005FB77 : 00000025 0000000**9** 00000**C95** 00000000 00000000 00000000 00000000 00000000
0005FB7F : 00000000 00000000 00000006 00000000 00000000 00000000 00000000 00000000
Agent TN(s)
00005F87 : 00000C96 00000C9A 00000CA5 00000CA9 00000CAA 00000CAD 00000CE4 00000CEB
0005FB8F : 00000CED 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0005FB97 : 00000000 00000000 00000000 00000000 00000000 0000004B 00002A74 00000000
0005FB9F : 002C8229 0005FBE7 00000014 00000001 0000001E 000003FF 00000000 00000000
0005FBA7 : 00000000 00000000 00000000 00000000 0000C001 00004002 00000003 00004A74
0005FBAF : 00000000 00003A74 00000000 00000000 00000000 00000000 00000000 00000000
0005FBB7 : 00000000 00000000 00000000 00000010 0000000A 00000040 0000020B 00003000
0005FBBF : 00000000 00000000 00000005 00000100 00000000 00000000 00000000 00000000

pdt> **w 05FB79**
0005FB79 : 00000C95 /**0**
pdt>

Agents still corrupt No SPID but ACD key has SUPY ACID KEY

```
REQ: prt
TYPE: dnb
CUST 0
DN   4703
DAE
PAGE
DES
DN   4703
TYPE ACDN
ACID 4004  TN 012 0 05 10
ACID 4022  TN 012 0 06 10
ACID 4005  TN 012 0 09 09
ACID 4025  TN 012 0 10 09
ACID 4028  TN 012 0 10 10
ACID 4006  TN 012 0 11 09
ACID 4041  TN 012 0 09 12
ACID 4021  TN 012 0 10 15
ACID 4011  TN 012 0 11 13


DES  2216
TN   012 0 05 10
TYPE 2216
CDEN 8D
CUST 0
AOM  0
FDN  5656
TGAR 1
NCOS
RNPG 1
SCI  0
SSU  0000
LNRS 24
XLST
CLS  CTD FBD WTA LPR PUA MTD FNA HTA ADD
     MWA AAD IMD XHD IRD NID OLD VCE DRG1
     POD DSX VMD CMSD CCSD SWD LNA CNDA
     CFTD SFD MRD DDV CNID CDCA
    CDMD AUTU
     DNDA CFXD ARHD FITD CLTD ASCD
     CFH FICD NAID
     DDGA NAMA
     USRD RTDD FLX FTTU
CPND_LANG ENG
CO  2
HUNT 5656
LHK  10
SPID NONE
AST
IAPG 0
AACS NO
ITNA NO
DGRP
DNDR 0
KEY  00 ACD 4703 0  4004
         SUPY ACID  KEY 31
    01 NRD
     02 MSB
```

```
    03 TRN
    04 AO
    05 ASP
    06 DWC 4703
    07
    08 SCR 5667 0     MARP
      CPND
        NAME MARJORIE DOWNEY
        XPL 27
        DISPLAY_FMT FIRST,LAST
    09 CR 3667 0     MARP
    10 SCR 2667 0     MARP
    11 ADL 16  3045
    12 SSU 000
    13 ADL 24  7010
    14 PRK
    15 MWK 656
DATE 20 SEP 1999


Pdt>tnt 12 0 5 10
 EQD SLOOP TN 000C96
 GP 0005213F SLP 000533BD 002CD43B  CD 0005373D 002CBFE4  LN 00054ECB 002CBF39

pdt> p 054ECB 60
00054ECB : 0000005A 00000182 0000000000000C0A 00000017 00006565 00000000 00000000
0004ED3 : 00000000 00000000 00006001 00000000 000020D0 0000C004 00000040 00000000
00054EDB : 00000000 0000100000000100 00000700 00000000 00000000 00000000 00001104
00054EE3 : 00050B2E 00000011 00001F80 00000000 0000004 00000800 00000000 00000000
00054EEB :00000000 00007A69 000067AA 00000000 00000000 00000000 00000000 00006565
00054EF3 : 00000000 00000000 0000000 00004AA4 00000000 00003A74 00000000 002CBF94
           Location  Feature Supervisor TN
0054EFB : 00000064 00000C95 00001141 00000006 00000000 00000000 00007665 0000000A
00054F03 : 00000000 00000000 00000000 00003A74 00000000 00007665 0000000 00000000
00054F0B : 00007663 00000000 0000000 00007662 00000000 00000000 000054A3 00000000
00054F13 : 0000000 00000000 00000000 0000A1A7 00000000 00000000 00000000 00000000
00054F1B : 00000000 0000017 00000000 00006565 00000000 00000000 00000000 00002B34
00054F23 : 0000B9E4 0000CE40 00000059 00002182 0000000 00000B0A 00000025 00006565

pdt> w 054EFB
00054EFB : 00000064 /0
00054EFC : 00000C95 /0

pdt> sl1input
Id 20
PT0000
REQ: prt
TYPE: tnb
TN   12 0 5 10
DATE
PAGE
DES

DES  2216
TN   012 0 05 10
TYPE 2216
CEN 8D
CUST 0
AOM  0
FDN  5656
TAR 1
NCOS 4
```

```
RNPG 1
SCI  0
SS  0000
LNRS 24
XLST
CLS  CTD FBD WTA LPR PUA MTD FNA HT ADD
     MWA AAD IMD XHD IRD NID OLD VCE DRG1
     PODDSX VMD CMSD CCSD SWD LNA CNDA
     CFTD SFD MRD DDV CNID CDCA
     CDMD AUTU
     DNDA CFXD ARD FITD CLTD ASCD
     CFHD FICD NAID
     DDGA AMA
     USRD RTDD FLXD FTTU
CPND_LANG ENG
RCO  2
HUNT 5656
LK  10
SPID NONE
AST
IAPG 0
AACS NO
ITNA NO
DGRP
DNDR 0
KEY  00 ACD 4703 0  4004
         AGN
     01 NRD
     02 MSB
     03 TRN
     04 AO6
     05 ASP
     06 DWC 4703
     07
     08 SCR 5667 0     MARP
        CPND
          NAME MARJORIE DOWNEY
          XPLN 27
          DISPLAY_FMT FIRST,LAST
     09 SCR 3667 0     MARP
     10 SCR 2667 0     MARP
     11 ADL 16  3045
     12 SSU 0000
     14 PRK 24  7010
     15 MWK5656
DATE 20 SEP 1999
```

How to locate the LAPW pointer

```
pdt>osVersion
OS: Date = Oct  3 2003, Time = 19:03:13, Base = x210300
value = 0 = 0x0
pdt>machTypeShow
from direct.rec: System type is - Succession 1000M Multi Group/CPP
from os:         Motorola CPV5350 P2/266
value = 41 = 0x29
pdt>pua


TRUNK_MONITOR @ 00000778 = 0000
TRUNK_TN @ 00000779 = 0000 0000 0000 0000 0000 0000 0000
DTSL_MONITOR @ 00000F13 = 0000
DTSL_MON_WORDS @ 00000F14 = 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
SNAP_BUG_RAS_OFS @ 0000A40E = 00000000
UIPE_BUG_PRT_CTL @ 000043F2 = 0000

USPARE_WORDS[0] @ 00000A2C , SIZE 0124  PSPARE_WORDS[0] @ 00008EC4 , SIZE 0020
U_JUNK_WORDS[0] @ 00005287 , SIZE 00C8  P_JUNK_WORDS[0] @ 0000AB4D , SIZE 00C8

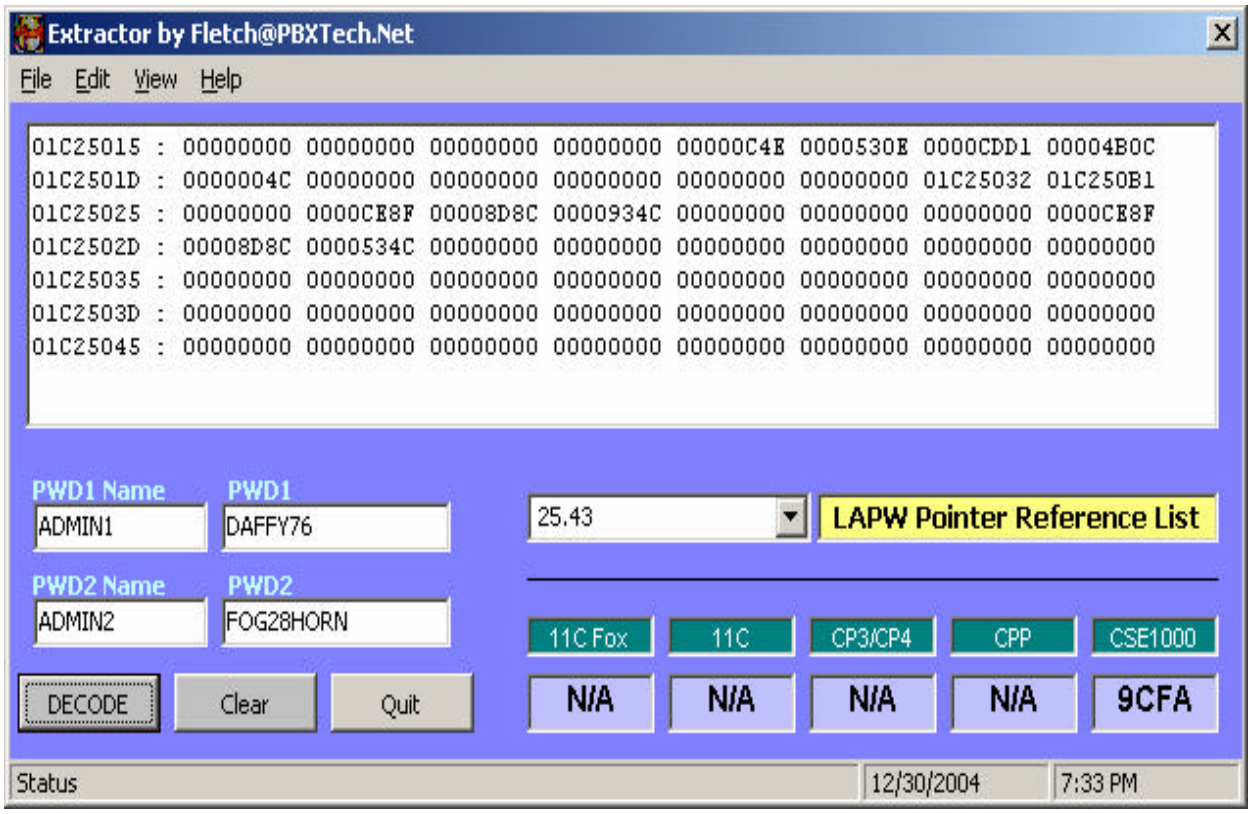
MEM_PHYS_MEM_LIM  @ 00009B05            LAST_INIT_HOUR @ 00009209
CONFIGLOOP[0] @ 0000972A , SIZE 0100    SYS_XPEC[0] @ 0000984D , SIZE 0064
CRSTART @ 00008003                      CREND @ 00008004
QUEUE_ADDR[0] @ 00008F53 , SIZE 0025
CDNXPTR[0] @ 00009040 , SIZE 0064       SCLMHTPTR @ 0000916C
BCS_TEMPL_HDR @ 000093DB                PBX_TEMPL_HDR @ 000093DC
LOG_IO_PTR @ 0000A636                   CONFIGTTYOP[0] @ 0000962A , SIZE 0010
P_MSDLMISP_MHPTR @ 0000A632             IO_TABLE_PTR  @ 00008002
P_VAS_TBL_HDR @ 00009B0C                P_BRI_PROTMHTPTR @ 0000A459
DTSLHT_PTR @ 0000920F                   CON_DDCS_FLAG[0] @ 00009684 , SIZE 100
```

You can always do the following and find the lapw on cpp machine:

```
pdt>lkup LAPW_DATA <-do a lookup on LAPW_DATA
_DATA_DUMP$COPY_LAPW_DATA 0x018ab204 text     (main_os.sym) (local)
_RES_SCCFN$SAVE_LAPW_DATA 0x0117a808 text     (main_os.sym) (local)
pdt>l 0x0117a808 <-list the memory from the address of SAVE_LAPW_DATA
                  look at the code for the word TEST the next line
                  will contain a JNE (jumpnotequal) then the next TEST
                 will be followed by a JE (jumpequal) then the next
                 TEST will be followed by a JE (jumpequal) followed
                  by a MOV (move) the address of that MOV is a decimal
                  value, divide that value by 4 and you will have the
                   pointer. See my example below:
                        _RES_SCCFN$SAVE_LAPW_DATA:
0117a808  55                    PUSH          EBP
0117a809  89 e5                 MOV           EBP, ESP
0117a80b  53                    PUSH          EBX
0117a80c  56                    PUSH          ESI
0117a80d  57                    PUSH          EDI
0117a80e  83 c4 f4              ADD           ESP, -12
0117a811  8b 3d bc ee 2d 02     MOV           EDI, 0x022deebc
0117a817  8d 45 04              LEA           EAX, [EBP+4]
0117a81a  b8 a4 00 00 00        MOV           EAX, 0xa4
0117a81f  31 d2                 XOR           EDX, EDX
pdt>l
0117a821  f7 3d e8 50 18 01     IDIV          EAX, 0x011850e8
0117a827  c1 fa 1f              SAR           EDX, 0x1f
0117a82a  01 d0                 ADD           EAX, EDX
0117a82c  50                    PUSH          EAX
0117a82d  b8 a4 00 00 00        MOV           EAX, 0xa4
0117a832  31 d2                 XOR           EDX, EDX
```

```
0117a834  f7 3d e8 50 18 01       IDIV          EAX, 0x011850e8
0117a83a  89 d0                   MOV           EAX, EDX
0117a83c  c1 f8 1f                SAR           EAX, 0x1f
0117a83f  83 e0 10                AND           EAX, 16
pdt>l
0117a842  01 c2                   ADD           EDX, EAX
0117a844  58                      POP           EAX
0117a845  8b 8c 87 64 47 02 00    MOV           ECX, [EDI+(EAXx4)+149348]
0117a84c  85 0c 95 18 aa 17 02    TEST          [0x0217aa18+(EDXx4)], ECX
0117a853  0f 85 5d 01 00 00       JNE           0x0117a9b6
0117a859  8b 87 2c 67 00 00       MOV           EAX, [EDI+26412]
0117a85f  85 c0                   TEST          EAX, EAX
0117a861  74 10                   JE            0x0117a873
0117a863  8b 87 24 67 00 00       MOV           EAX, [EDI+26404]
0117a869  8b 8f 2c 67 00 00       MOV           ECX, [EDI+26412]
pdt>l
0117a86f  89 4c 87 5c             MOV           [EDI+(EAXx4)+92], ECX
0117a873  8b 87 24 67 00 00       MOV           EAX, [EDI+26404]
0117a879  85 c0                   TEST          EAX, EAX
0117a87b  74 20                   JE            0x0117a89d
0117a87d  8b 87 a4 75 02 00       MOV           EAX, [EDI+161188] <-divide by 4
0117a883  50                      PUSH          EAX
0117a884  68 12 01 00 00          PUSH          0x112
0117a889  8b 8f 24 67 00 00       MOV           ECX, [EDI+26404]
0117a88f  51                      PUSH          ECX
0117a890  6a 00                   PUSH          0
pdt>su
->161188 / 4 <-go into super user and divide by 4
value = 40297 = 0x9d69 <-lapw pointer
->exit
pdt>
pdt>p 9d69
00009D69 : 01C2500D
pdt>p 1c2500d 40

01C2500D : 00001C23 00009000 00008FCE 00004E4E 00001289 00000052 00000000 00000000
01C25015 : 00000000 00000000 00000000 00000000 00000C4E 0000530E 0000CDD1 00004B0C
01C2501D : 0000004C 00000000 00000000 00000000 00000000 00000000 01C25032 01c250B1
01C25025 : 00000000 0000CE8F 00008D8C 0000934C 00000000 00000000 00000000 0000CE8F
01C2502D : 00008D8C 0000534C 00000000 00000000 00000000 00000000 00000000 00000000
01C25035 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C2503D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
01C25045 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
pdt>
```



By Allen Russell

Option 81c 3011/25.30

stuck in overlay 43 while running MIDS

```
OVL111 MIDN  43
OVL111  TTY 15      0    CORINNE
>loii corinne
PASS?

 WARNING: THE PROGRAMS AND DATA STORED ON THIS SYSTEM ARE LICENSED TO
 OR ARE THE PROPERTY OF NT/BNR AND ARE LAWFULLY AVAILABLE ONLY TO
 AUTHORIZED USERS FOR APPROVED PURPOSES. UNAUTHORIZED ACCESS TO ANY
 PROGRAM OR DATA ON SYSTEM IS NOT PERMITTED. THIS SYSTEM MAY BE
 MONITORED AT ANY TIME FOR OPERATIONAL REASONS. THEREFORE, IF YOU
 ARE NOT AN AUTHORIZED USER, DO NOT ATTEMPT TO LOGIN.

OVL111 MIDN  43
OVL111  TTY 15      0    CORINNE
TTY #05 LOGGED IN CORINNE 18:11  15/8/2002


>who
PORT ID  OVERLAY  NAME       SPRT  MONITOR
MIDN        43
 TTY 15      0    CORINNE
 TTY 05      0    CORINNE

MAT USER NAME    IP ADDRESS
CORINNE          47.185.29.62

>halt
BACKGROUND SESSION 0 HALTED.
>who
PORT ID  OVERLAY  NAME       SPRT  MONITOR
HALT         0
 TTY 15      0    CORINNE
 TTY 05      0    CORINNE

MAT USER NAME    IP ADDRESS
CORINNE          47.185.29.62

>ld 43
EDD000
<--there should be a (.) here. The overlay is not loaded correctley
ed <--after typing in (ed) the system returns to the (.)
.d <--then after the last (d) of (edd) you receive an EDD010
EDD010

.
EDD000

edd
.
EDD010<--the system will not except any valid input at this point

****
>who
PORT ID  OVERLAY  NAME       SPRT  MONITOR
HALT         0
 TTY 15      0    CORINNE
 TTY 05      0    CORINNE

MAT USER NAME    IP ADDRESS
CORINNE          47.185.29.62

>ld 137
CIOD000
.stat
IOP  0 ENABLED   (STANDBY: S/W STATUS)  IODUC
IOP  1 ENABLED   (ACTIVE)  IODUC
CMDU 0 ENABLED   (STANDBY)
```

CMDU 1 ENABLED (ACTIVE)
RDUN ENABLED
ELNK ENABLED
SDEV 1 OK (KC VALID)
.****
ld 135
CCED000
.stat cpu
cp 1 15 PASS NORMAL ENBL

cp simm/bank stat
1 0/0 ENBL
1 0/1 ENBL
1 1/0 ENBL
1 1/1 ENBL

cp 0 15 PASS NORMAL STDBY

cp simm/bank stat
0 0/0 ENBL
0 0/1 ENBL
0 1/0 ENBL <--everything appears to be normal
0 1/1 ENBL
.stat cni
cni 1 12 0: remote = group 0 ENBL
cni 1 12 1: remote = group 1 ENBL

cni 0 12 0: remote = group 0 ENBL
cni 0 12 1: remote = group 1 ENBL
.dspl all
BLANK

81 SDI 1

81 SDI 1

81 SDI 1

.****
OVL000
>who
PORT ID OVERLAY NAME SPRT MONITOR
HALT 0
TTY 15 0 CORINNE
TTY 05 0 CORINNE

MAT USER NAME IP ADDRESS
CORINNE 47.185.29.62

>ld 22
PT2000

REQ iss

VERSION 3011
RELEASE 25
ISSUE 30 + MDCS03 NA00

PSWV VERSION: PSWV 53

IDLE_SET_DISPLAY NORTEL

REQ

pdt>sl1qShow

```
SL1 queues of size > 0
  128LowP (queue  3 at 0x8c91d80) size : 2
    Print (queue 11 at 0x8c91e20) size : 1893<--side effect of actual problem
     Idle (queue 12 at 0x8c91e34) size : 1490

      total size of above queues: 3385
value = 0 = 0x0
pdt>sl1input



REQ  ****
OVL000
>ld 37
IOD000
.stat

TTY  0 : ENBL   DES: XSM
TTY  1 : ENBL   DES: MAINT
TTY  2 : ENBL   DES: MOD9600
TTY  3 : ENBL   DES: FIBER160
TTY  4 : ENBL   DES: CORE-0
TTY  5 : ENBL   DES: CORE-1
TTY  6 : ENBL   DES: CRI/LP12/4250
TTY  7 : ENBL   DES: ACD-MONITOR
TTY  8 : ENBL   DES: ACD-PRINTER
TTY  9 : ENBL   DES: HYPERTERMINAL
TTY  12 : ENBL   DES: CDR
TTY  13 : ENBL NRDY   DES: MODEMPBX
TTY  14 : DSBL   DES: PTY-14-00
TTY  15 : ENBL   DES: PTY-15-00
.****
OVL000
>ld 48
LNK000
.flsh <--to clear the print queue









OK
.*
.*
.*
.*
OVL000
>
pdt>sl1qShow

SL1 queues of size > 0
  128LowP (queue  3 at 0x8c91d80) size : 2
     Idle (queue 12 at 0x8c91e34) size : 3383

      total size of above queues: 3385
value = 0 = 0x0
pdt>sl1input

>ld 137
CIOD000
.stat
IOP  0 ENABLED   (STANDBY: S/W STATUS)  IODUC
IOP  1 ENABLED   (ACTIVE)  IODUC
CMDU 0 ENABLED   (STANDBY)
CMDU 1 ENABLED   (ACTIVE)
RDUN   ENABLED
ELNK   ENABLED
```

SDEV 1 OK (KC VALID)
.swap

OK
.stat
IOP 0 ENABLED   (STANDBY: S/W STATUS) IODUC
IOP 1 ENABLED   (ACTIVE) IODUC
CMDU 0 ENABLED   (ACTIVE)
CMDU 1 ENABLED   (STANDBY)
RDUN   ENABLED
ELNK   ENABLED
SDEV 1 OK (KC VALID)
.****
OVL000
>ld 43
EDD000

ed
.d
.
EDD010

**
.**
OVL000
>ld 137
CIOD000
.swap

OK
.stat
IOP 0 ENABLED   (STANDBY: S/W STATUS) IODUC
IOP 1 ENABLED   (ACTIVE) IODUC
CMDU 0 ENABLED   (STANDBY)
CMDU 1 ENABLED   (ACTIVE)
RDUN   ENABLED
ELNK   ENABLED
SDEV 1 OK (KC VALID)
.****
>ld 17
BACKGROUND SESSION 0 ABORTED.
CFN000
MEM AVAIL: (U/P): 5988528   USED U P: 1068230 397961   TOT: 7454719
DISK SPACE NEEDED: 685 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1 (PROJECTED LD43 - BKO)
DCH AVAIL: 248   USED: 7   TOT: 255
AML AVAIL: 13   USED: 3   TOT: 16
REQ chg
TYPE ovly
SID
BKGD
PBXH
TODR
DROL
MULTI_USER off <--tried turning off multi_user

MUST FIRST LOGOFF AND LOGON AS SESS-1.

MEM AVAIL: (U/P): 5988528   USED U P: 1068230 397961   TOT: 7454719
DISK SPACE NEEDED: 685 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1 (PROJECTED LD43 - BKO)
DCH AVAIL: 248   USED: 7   TOT: 255
AML AVAIL: 13   USED: 3   TOT: 16
REQ ****
OVL000
>logo
TTY #05 LOGGED OUT CORINNE 18:53 15/8/2002
SESSION DURATION: 00:42

>
OVL111 MIDN 43

>>loii admin1
PASS? <--would not let me log in since ld 43 was stuck

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ARE NOT AN AUTHORIZED USER, DO NOT ATTEMPT TO LOGIN.

OVL111 MIDN 43
OVL111 MIDN 43
OVL111 MIDN 43

pdt>p 9811 42

00009811 : 00000002 0000004A 0000000A 0000000A 0000004A 0000004A 0000004A 00000100
00009819 : 00000100 0000004A 00000000 00000000 00000014 0000004A 0000004A 0000004A
00009821 : 00000000 00000000 00000000 00000000 00000000 00000000 00000BDF 00000000
00009829 : 00000000 00000000 00000000 00000000 00000000 000009E2 00000001 00000000
00009831 : 00000000 000002AA 000003FF 000002AA 000003FF 000021C5 00000000 00000001
00009839 : 00000001 00000000 00000001 00002FFF 000007D0 000007D0 000003E8 000000FA
00009841 : 00000DAC 0000007F 00000201 0000396E 00004839 000002C6 00000000 000006D7
00009849 : 000081DF 000003E7 000003E7 00000001 00000000 00000000 00000000 00000000
00009851 : 00000000 00000000
pdt>w 9852
00009852 : 00000000 /8 <--turned multiuser back on via pdt
pdt>sl1input

>loii admin1
PASS?

WARNING: THE PROGRAMS AND DATA STORED ON THIS SYSTEM ARE LICENSED TO
OR ARE THE PROPERTY OF NT/BNR AND ARE LAWFULLY AVAILABLE ONLY TO
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PROGRAM OR DATA ON SYSTEM IS NOT PERMITTED. THIS SYSTEM MAY BE
MONITORED AT ANY TIME FOR OPERATIONAL REASONS. THEREFORE, IF YOU
ARE NOT AN AUTHORIZED USER, DO NOT ATTEMPT TO LOGIN.

TTY #05 LOGGED IN ADMIN1 19:32 15/8/2002

>
OVL000
>who
PORT ID OVERLAY NAME SPRT MONITOR
MIDN 43
TTY 05 0 ADMIN1
>ld 22
PT2000

REQ prt
TYPE ovly

OVLY
SID 710
BKGD 044
PBXH X
TODR 00
DROL 034 045 060 135 137
MULTI_USER ON

REQ ****
OVL000
>who
PORT ID OVERLAY NAME SPRT MONITOR
MIDN 43
TTY 05 0 ADMIN1

MAT USER NAME IP ADDRESS
CORINNE 47.185.29.62

>

Next Day: could not fix the problem and customer wanted to wait untill they could schedule a manual init, we were able to clear the problem without initializing the next day thanks to Kelvin Mai

```
pdt>sl1qShow

SL1 queues of size > 0
  Cadence (queue  2 at 0x8c91d6c) size : 1
  128LowP (queue  3 at 0x8c91d80) size : 3
    2Sec (queue  4 at 0x8c91d94) size : 2
   Print (queue 11 at 0x8c91e20) size : 523
    Idle (queue 12 at 0x8c91e34) size : 2780

     total size of above queues: 3309
value = 0 = 0x0
pdt>sl1input

OVL000
>ld 143

>
BACKGROUND SESSION 0 ABORTED.
CCBR000
.help

ABKO < no param > - Attended backup
ARES < no param > - Attended restore

Keycode Management Commands:

KSTT < no param > - Status : List all keycodes : NEW, REC, OLD, F0, F1, HD
KSHO <    param > - Show   : Display content of: NEW, REC, OLD, F0, F1, HD
KDIF < p1> < p2 > - Diff   : Compare 2 keycodes: NEW, REC, OLD, F0, F1, HD

KNEW <    param > - Prepare: Select new candidate keycode from: F0, F1, HD
                    Depending on eligibility keycode may be
                    instantly activated or activated on next reset
KRVR < no param > - Revert : Select the OLD keycode as the new candidate
                    Depending on eligibility keycode may be
                    instantly activated or activated on next reset
KOUT < no param > - Delete : Remove pending (post KNEW/KRVR) candidate

KMAN < no param > - Create : Line-by-line candidate keycode file creation
KUPL < no param > - Upload : Candidate keycode file upload

Parameters:
        NEW  - pending keycode accepted by means of KNEW command
        REC  - keycode currently in use
        OLD  - previously used keycode
        F0   - candidate keycode on diskette in core side 0
        F1   - candidate keycode on diskette in core side 1
        HD   - candidate keycode created by means of KMAN/KUPL



.abko  <--This cleared up the problem


     *** NT Meridian-1 Database ARCHIVE Tool ***
     ==========================================
          List of files for backup
          ------------------------
          /p/install/keycode.rec
          /p/sl1/direct.rec
```

```
            /u/db/config.rec
            /u/db/database.rec
            /u/db/hi/INET.DB
            /u/db/hi/IPB.DB
            /u/db/hi/IOP.DB
            /u/db/hi/CNIB.DB
            /u/db/hi/HI.DB
            /u/db/hi/CP.DB
            /u/db/hi/SIMM.DB
            /u/db/zone.db
            /u/db/eset1.db
            /u/db/eset2.db

      * * *    NT Meridian-1 Database ARCHIVE Tool     * * *
      ==================================================
      The Total Size of the backup files:  696 KBytes
      Estimated number of 2MB floppy diskettes: 1


      Please enter:
<CR> -> <a> -Continue.
       <q> - Quit.
      Enter Choice>


      * * *    NT Meridian-1 Database ARCHIVE Tool     * * *
      ==================================================

      Please insert the 1st diskette in the floppy drive on side 1.

      Please enter:
<CR> -> <a> - diskette is now in floppy drive on side 1.
              Continue.
      <q> - Quit.

      Enter Choice>

/p/install/keycode.rec.OK
/p/sl1/direct.rec.OK
/u/db/config.rec.OK
/u/db/database.rec.....................................OK
/u/db/hi/INET.DB .OK
/u/db/hi/IPB.DB .OK
/u/db/hi/IOP.DB .OK
/u/db/hi/CNIB.DB .OK
/u/db/hi/HI.DB .OK
/u/db/hi/CP.DB .OK
/u/db/hi/SIMM.DB .OK
/u/db/zone.db.OK
/u/db/eset1.db.OK
/u/db/eset2.db.OK
...Creating /f1/Archive.dat
verifying archive.dat OK.
Database backup Complete!


TEMU135  BackUP process ended successfully.
      Number of floppy diskette(s) used: 1
.
CCBR000
.
.****

DROL000 DAILY ROUTINE BEGIN
DUMP  LD43  BEGIN  10:45  16/8/2002


OVL000
>who

PORT ID  OVERLAY  NAME       SPRT  MONITOR
MIDN       43
```

```
 TTY 05      0    ADMIN1
 TTY 15      0    CORINNE

MAT USER NAME    IP ADDRESS
CORINNE          47.185.29.62


OVL000
>
>ld 43

BACKGROUND SESSION 0 ABORTED.


. <--the overlay loaded correctley, note the (.)
.dat
DATABASE   ISSUE    DATE(d/m/y)/TIME     SIZE(recs) SEQNO
Main       2530_ 13/08/2002 at 00:03:34      682     510
Secondary  2530_ 10/08/2002 at 00:03:34      682     509
Backup     2530_ 13/08/2002 at 00:03:34      682     510
Current backup is on floppy diskette on CMDU 1

.edd

DB SEQ NUM = 511
CONFIG
PHYSICAL MAP
BCS TEMPLATE
PBX TEMPLATE
CUST
ICI TBL
CLID
DAPC
LTN TN
LTN LNK
PGRP
TN
ESN  00
NCTL
ACD
ACD SCH
ACD IO
CPK
NFCR  TREES
IDC   TREES
DIGITAL
DTI
ASNCH
AML / ELAN
VAS
TRSH
DCH
PRI
ARIES
FDL
SYSP
XPEC
XTDT
FTC
MCAD
FCAD
FDCT
DTI2
FFC
LAPW
MSDL/MISP BLK
SOCKET ID BLK
MISP
DTI PDCA
CPND
CPND NM
SPECIFIC DATA
```

```
 HI
 ALARM_MGT
CHECKING

RECORD COUNT =  0684
DATADUMP COMPLETE

Starting database backup
to floppy diskette on CMDU 1
KEYCODE
DIRECTORY
CONFIG
DATA
HI
ZONE
ESET1
ESET2
Database backup Complete!

TEMU129  BackUP process ended successfully.
      Number of floppy diskette(s) used: 1
      Amount of space remaining on the last floppy: 730

****
OVL000
>
BSD000
.
DROL000 DAILY ROUTINE BEGIN
BCD   LD45  BEGIN  10:52  16/8/2002 <--midnites was able to conitnue, no longer stuck in 43

INTRA CONT START
INTERLOOP TEST START
IG_CONT
CONT END

DROL001 DAILY ROUTINE END
BCD   LD45  END  11:07  16/8/2002


>who

PORT ID  OVERLAY  NAME       SPRT  MONITOR
MIDN       45
 TTY 05      0    ADMIN1
 TTY 15      0    CORINNE

MAT USER NAME    IP ADDRESS
CORINNE          47.185.29.62

>

DROL000 DAILY ROUTINE BEGIN
DTIM  LD60  BEGIN  11:07  16/8/2002

PRI TRK  LOOP 2 ATLP 0
SLFT OK
TRSH CNT:
BPV     -000
SLIPD   -000
SLIPR   -000
CRC     -000
LOSFA   -000
OS_BPV  -000
OS_LOSFA-000
OS_YEL  -000

PRI TRK  LOOP 3 ATLP 0
SLFT OK
TRSH CNT:
BPV     -000
SLIPD   -000
```

SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 18 ATLP 0
SLFT NOT DONE

DTI013 18

TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

PRI TRK LOOP 19 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 25 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

PRI TRK LOOP 26 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 27 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

PRI TRK LOOP 34 ATLP 0
SLFT OK

TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 35 ATLP 0
SLFT NOT DONE

DTI013 35

TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 44 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DTI TRK LOOP 45 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -051
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

PRI TRK LOOP 50 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

PRI TRK LOOP 51 ATLP 0
SLFT OK
TRSH CNT:
BPV -000
SLIPD -000
SLIPR -000
CRC -000
LOSFA -000
OS_BPV -000
OS_LOSFA-000
OS_YEL -000

DROL001 DAILY ROUTINE END
DTIM LD60 END 11:07 16/8/2002

>who

PORT ID OVERLAY NAME SPRT MONITOR
BKGD 44 <--midnites completed and returned to normal operation
TTY 05 0 ADMIN1

MAT USER NAME IP ADDRESS
CORINNE 47.185.29.62

>ld 43

EDD000
.
.dat

DATABASE ISSUE DATE(d/m/y)/TIME SIZE(recs) SEQNO
Main 2530_ 16/08/2002 at 10:48:36 684 511
Secondary 2530_ 13/08/2002 at 00:03:34 682 510
Backup database not accessible.
Current backup is on floppy diskette on CMDU 0

.
EDD000

.edd

DB SEQ NUM = 512
CONFIG
CIOD157 INFO: CMDU 0 is ACTIVE, RDUN is ENABLED

PHYSICAL MAP
BCS TEMPLATE
PBX TEMPLATE
CUST
ICI TBL
CLID
ROUTE
DAPC
LTN TN
LTN LNK
PGRP
TN
SCL
ESN 00
NCTL
ACD
ACD SCH
ACD IO
CPK
NFCR TREES
IDC TREES
DIGITAL
DTI
ASNCH
AML / ELAN
VAS
TRSH
DCH
PRI
ARIES
FDL
SYSP
XPEC
XTDT
FTC
MCAD
FCAD
FDCT

```
DTI2
FFC
LAPW
MSDL/MISP BLK
SOCKET ID BLK
MISP
DTI PDCA
CPND
CPND NM
SPECIFIC DATA
 HI
 ALARM_MGT
CHECKING

RECORD COUNT =  0684
DATADUMP COMPLETE

Starting database backup
to floppy diskette on CMDU 0
KEYCODE
DIRECTORY
CONFIG
DATA
HI
ESET1
ESET2
Database backup Complete!
.
EDD000

.
TEMU129  BackUP process ended successfully.
      Number of floppy diskette(s) used: 1
      Amount of space remaining on the last floppy: 730
.dat

DATABASE   ISSUE    DATE(d/m/y)/TIME     SIZE(recs) SEQNO
Main       2530_ 16/08/2002 at 11:10:16      684     512
Secondary  2530_ 16/08/2002 at 10:48:36      684     511
Backup     2530_ 16/08/2002 at 11:10:16      684     512
Current backup is on floppy diskette on CMDU 0

CIOD157 INFO: CMDU 0 is ACTIVE, RDUN is ENABLED
.
EDD000

****
>logo

OVL111 IDLE   0
>pdt>sl1qShow

SL1 queues of size > 0
  Cadence (queue  2 at 0x8c91d6c) size : 1
  128LowP (queue  3 at 0x8c91d80) size : 2
    2Sec (queue  4 at 0x8c91d94) size : 2  <--print queue cleared on its own
    Dial (queue  6 at 0x8c91dbc) size : 1
    Idle (queue 12 at 0x8c91e34) size : 3322

     total size of above queues: 3328
value = 0 = 0x0
pdt>sl1input


OVL111 IDLE   0
>



By Allen Russell
```

If you have tried to login too many times and you are now getting an ovl400, this is how you clear it.

pdt> p 9877<--print the LAPW
00009877 : 00071300

pdt> p 71300 30
00071300 : 1C23 0040 B0B0 B0B0 0000 0000 0000 0000
0000 0000 458A 020B B1B0 B1B0 0000 0000

pdt>w 71300<--changed the value of the first word to a "c"
00071300: 1C23/c
pdt>

****NOTE****
You will still receive an ovl400 but it will alow you to login, when you are finished you should write this word back to the original value, otherwise the ovl400 will remain in this state.

By Allen Russell

ESA SETUP

ld 24
MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309

REQ **prt**
TYPE **esa**
CUST **0**

CUST 0
ESDN 911
ESRT 1
DDGT 911
DFCL 3153347200
OSDN

MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309

****
ld 21
PT1000

REQ: **prt**
TYPE: **clid**
CUST **0**
SIZE 200
RNGE **0 2**

INTL

ENTRY 0
 HNTN
 ESA_HLCL 3153347200
 ESA_INHN NO
 ESA_APDN NO
 HLCL 315334
 DIDN YES
 HLOC
 LSC
 CLASS_FMT LCL

ENTRY 1
 HNTN
 ESA_HLCL 3153347200
 ESA_INHN NO
 ESA_APDN NO
 HLCL 3153347200
 DIDN NO
 HLOC
 LSC
 CLASS_FMT LCL

****

ld 90

REQ **prt**
CUST **0**
FEAT **net**
TRAN **ac1**
TYPE **spn**

SPN 911

SPN 911
FLEN 0
ITOH NO
RLI 0
SDRR NONE
ITEI NONE

MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309
REQ

****

ld 86
ESN000

MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309
REQ **prt**
CUST **0**
FEAT **rlb**
RLI **0**

RLI 0
ENTR 0
LTER **YES**
TOD 0 ON 1 ON 2 ON 3 ON
4 ON 5 ON 6 ON 7 ON
FRL 0
DMI **1**
FCI 0
FSNI 0
SBOC NRR

ISET 1
NALT 5
MFRL 0
OVLL 0

MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309

REQ **prt**
CUST **0**
FEAT **dgt**
DMI **1**

DMI 1
DEL **0**
CTYP **NCHG**

MEM AVAIL: (U/P): 775632 USED U P: 457170 127069 TOT: 1359871
DISK RECS AVAIL: 309

EXAMPLE OF OUTBOUND ESA 911 CALL RECORD PRINTOUT

OSN000 CUST 0 911 CALL ALERT

911 CALL RECORD
TIME: 11:07:20 DEC 12, 2002
CUST: 0
NAME: TELEPHONE ROOM
ORIG DN: 2281 DES: PHNRM
CALLING# COMP: 3153347200
TER RTMB: 1-42 ACOD: 7101
CALLED# SENT: 911
CALLING# SENT: 3153347200

OSN0000 RECORD END

HOW TO DELETE A CORRUPT MAILBOX ON MERIDIAN MAIL

log into mail as ETAS level access select 2 (ad_util) use the cobra window (CNTL W) to select the (ad_util) window

Special Tools Package
ETAS Level Access

1 Change password - Change ETAS/RSC/TOOLS/Admin pwd
2 ad_util - Administration Utility
3 burp - Backup & Restore Program
4 om_util - Operational Measurements
5 se_util - SEER Utility
6 md - MISA File Utility
7 ci - Helix Command Interpreter
8 md_dr - Corporate Directory Tool
9 md_ma - Hardware Maintenance
10 prm_control - Program Management
11 vsmup - VS / MI_SERVER Tool
12 cptd_util - Call Progress Tone Detector Utility
13 vx_pkg - Voice Prompt Information
14 diag_util - Perform Hardware Diagnostics
15 ulma - Universal Link Monitor
16 other - More ETAS Utilities

adutil>**SetCust 1** ←set the customer number in mail, starts with customer 1

Customer set to specified customer.

adutil>**key** ←alows you to use the mailbox number as the identifier

Enter Key to Use: **mailboxnumber** ← toggle with up/down arrow

adutil>**DelUser 41187** ←deletes mailbox 41187

use the cobra window (CNTL W) and press R while curser is next to (ad_util) and then select Y for yes then arrow back to the MMI and press enter and you will be back to the normal mail screens

If this will not allow you to delete the mailbox there is one other thing that can be attempted but MUST be used with caution or you could delete many mailboxes. The **"CNTL A"** will abort this procedure at any time. After you turn **makedel** to yes and you are using the **fixu** or **fixc** commands and you start seeing "deleting xxx deleting xxx deleting xxx" use the **"CNTL A"** to abort.

log into mail as ETAS level access select 16 other then select 5(is_patch) use the cobra window (CNTL W) to select the is_patch window

```
                    Special Tools Package
                      ETAS Level Access

      1  rsm_utils       - RSM Maintenance Utility
      2  scsi_util       - SCSI Utility (Disk/Tape)
      3  md_cm           - MISA Cabinet Utility
      4  md_mt           - Message Transfer Utility
      5  is_patch        - Database Synch Utility
      6  vsp_util        - Voice Services Utility
      7  disk sync       - Disk Shadowing Maintenance
      8  ocs_util        - Outcalling Server Utility
      9  nethost         - Network Debugger
     10  sc_serchange    - Change Serial Number

••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••Select an item
>5
**makedel – make corrections & deletions in FIXCABTOUSER and FIXUSERTOCAB is off
   by default so you are only showing what will be fixed when you set makedel to yes**

dr>fixc 2 ←single node
ERROR: Unable to get FID for users cabinet /2/users [1224]
dr>fixu 2
dr>fixc 202 ←node 2
dr>fixu 202
dr>fixc 203 ←node 3
dr>fixu 203
dr>fixc 204 ←node 4
      1204 Cabinet FID .204.3956.28137 does not match OD FID .204.2433.13536 ←1204 is mailbox number
      1204 OD UCOS 0 does not match profile COS number 13
The following changes WOULD have been made.
User Cabinets deleted              : 0
OD Entries deleted                 : 0
OD Entries updated                 : 0
FIDs updated                       : 1
Cabinet Client IDs updated         : 0
Personal Profile UCOS updated      : 1
Personal Profile Room Status updates  : 0
dr>fixu 204
Cabinet does not exist 1204 UserCabFid=.204.2433.13536 [1224]  ←1204 is mailbox number
dr>
```

dr>makedel ←turn on make corrections & deletions
Make corrections & deletions in FIXCABTOUSER and FIXUSERSTOCAB ? Yes← toggle with up/down arrow
dr>fixc 204

dr>fixu 204

use the cobra window (CNTL W) and press R while curser is next to (is_patch) and then select Y for yes then arrow back to the MMI and press enter and you will be back to the normal mail screens

HOW TO BREAKDOWN THE CSE AND BCAP OF AN ISDN MESSAGE MON 2 FORMAT

PRI213 DCH: 6 DATA: 00000000

DCH 6 OMSG REL COMP REF 00008255 CH 0 TOD 13:38:36 CK 16516034
HEADER:01 00 00 09 08 02 82 55 5A
CSE :08 02 81 C1

DCH 6 IMSG SETUP REF 00000255 TOD 13:38:36 CK 16516033
HEADER:2F 00 00 18 08 02 02 55 05
BCAP:04 02 88 C0
CHID:18 01 AC
NSF :20 02 00 E1
CLED:70 06 A9 08 09 09 08 02

CAUSE IE
CSE:08 02 81 C1

Octet 1= 08
Octet 2= 02
Octet 3= 81
Octet 4= C1

Octet 3 **8 1**

1000 0001
8 7 6 5 4 3 2 1

Cause Information Element
CAUSE IE
Coding Standard (Octet 3)

7 6
0 0 CCITT standard as in Recommendation Q.931.

General Location (Octet 3)

4 3 2 1
0 0 0 0 user
0 0 0 1 private network serving local user
0 0 1 0 public network serving local user
0 0 1 1 transit network
0 1 0 0 public network serving remote user
0 1 0 1 private network serving remote user
0 1 1 1 International network

Cause Value (Octet 4)

Octet 4 **C 1**

1100 0001
8 7 6 5 4 3 2 1

The cause value is divided in two fields, a class (bits 5-7) and a value within the class (bits 1-4). The class indicates the general nature of the event.

Class (000) normal event
Class (001) normal event
Class (010) network congestion
Class (011) service or option not available
Class (100) service or option not implemented
Class (101) invalid message (e.g. parameter out of ange)
Class (110) protocol error (e.g. unknown message)
Class (111) interworking

Cause value Number Cause

7 6 5 4 3 2 1		
0 0 0 0 0 0 1	1	Unassigned Number
0 0 0 0 0 1 0	2	No route to specified transit network
0 0 1 0 0 0 0	16	Normal call clearing
0 0 1 0 0 0 1	17	User busy
0 0 1 0 0 1 0	18	No user responding
0 0 1 0 1 0 1	21	Call rejected
0 0 1 0 1 1 0	22	Number changed
0 0 1 1 0 1 1	27	Destination out of order
0 0 1 1 1 0 0	28	Invalid number format
0 0 1 1 1 0 1	29	Facility rejected
0 0 1 1 1 1 0	30	Response to STATUS ENQUIRY
0 0 1 1 1 1 1	31	Normal unspecified
0 1 0 0 0 1 0	34	No channel/circuit available
0 1 0 0 1 1 0	38	Network out of order
0 1 0 1 0 1 0	42	Switching equipment congestion
0 1 0 1 0 1 1	43	Access information discard
0 1 0 1 1 0 0	44	Requested circuit/channel not available
0 1 0 1 1 1 1	47	Resources unavailable , unspecified
0 1 1 0 0 1 0	50	Requested facility not subscribed
0 1 1 0 1 1 0	54	Incoming calls barred
0 1 1 1 0 1 0	58	Bearer capability not presently available
0 1 1 1 1 1 1	63	Service or option not available, unspecified
1 0 0 0 0 0 1	65	Bearer capability not implemented
1 0 0 0 0 1 0	66	Channel type not implemented
1 0 0 0 1 1 0	70	Only restricted digital information bearer Capability is available
1 0 0 1 1 1 1	79	Service or option not implemented, unspecified
1 0 1 0 0 0 1	81	Invalid call reference value
1 0 1 0 0 1 0	82	Identified channel does not exist
1 0 1 1 0 0 0	88	Incompatible destination

1 0 1 1 0 1 0 90 Destination address missing, and direct call not

1 0 1 1 0 0 0 95 Invalid message , unspecified
1 1 0 0 0 0 0 96 Mandatory information element is missing
1 1 0 0 0 0 1 97 Message type non existent or not implemented
1 1 0 0 0 1 0 98 Message not compatible with state
1 1 0 0 0 1 1 99 Information element non-existent or not implemented
1 1 0 0 1 0 0 100 Invalid information element contents
1 1 0 1 1 1 1 111 Protocol error unspecified
1 1 1 1 1 1 1 127 Interworking, unspecified

BEARER CAPABILITY IE

BCAP: 04 02 88 C0

Octet 1= 04
Octet 2= 02
Octet 3= 88
Octet 4= C0

Octet 3 **8 8**

1000 1000
8 7 6 5 4 3 2 1

Bearer Capability Information Element

BEARER CAPABILITY IE

Coding Standard (Octet 3)

7 6
0 0 CCITT Standard as in Recommendation Q.931

Information Transfer Capability (Octet 3)

5 4 3 2 1
0 0 0 0 0 Speech
0 1 0 0 0 Unrestricted Digital Information
0 1 0 0 1 Restricted Digital Information
1 0 0 0 0 3.1 KHZ Audio

Information Transfer Rate (Octet 4)

Octet 4 **C 0**

1100 0000
8 7 6 5 4 3 2 1

5 4 3 2 1
0 0 0 0 0 Packet Mode Calls
1 0 0 0 0 64 kbps
1 0 0 1 1 384 kbits
1 0 1 1 1 1536 kbps
1 1 0 0 0 Multirate (64 kbps Base Rate)

Transfer Mode (Octet 4)

7 6
0 0 Circuit Mode
1 0 Packet Mode

Layer and Protocol Identification (Octet 5)

7 6
0 1 User Information Layer 1 Protocol

5 4 3 2 1
0 0 0 0 1 CCITT Standard Rate Adaptation
0 0 0 1 0 Recommendation G.711 Mu-Law
0 0 0 1 1 Recommendation G.711 A-Law

Access Data Rate (Octet 5a)

8
1 Last Octet Layer Protocol Identification

7 6
0 0 Reserved

5 4 3 2 1
0 1 1 1 1 56 kbps Synchronous

By Allen Russell

HOW TO REMOVE THE SPID FROM AN AGENT WHEN THE AGT KEY IS MISSING FROM THE SUPERVISORS TN

DN **7789** <-agt acid
TYPE ACID
TN 012 0 06 10

DN **7799** **<-**supv acid
TYPE ACID
TN 012 0 02 05

DN 717
TYPE ACDN
SUPY ACID 7200 TN 012 0 02 08 KEY 04
SUPY ACID 7899 TN 012 0 07 06 KEY 11
SUPY ACID 7799 TN 012 0 02 05 KEY 09
ACID 7218 TN 012 0 07 07
ACID 7794 TN 024 0 04 00
ACID 7790 TN 012 0 02 03
ACID 7785 TN 012 0 02 00
ACID 7787 TN 012 0 07 00
ACID 7799 TN 012 0 02 05
ACID 7784 TN 012 0 02 06
ACID 7788 TN 012 0 07 08
ACID 7219 TN 012 0 07 10
ACID 7786 TN 012 0 08 05
ACID 7782 TN 012 0 05 06
ACID 7797 TN 012 0 05 08
ACID 7791 TN 012 0 07 11
ACID 7795 TN 024 0 05 01
ACID 7793 TN 012 0 05 00
ACID 7783 TN 012 0 07 15
ACID 7796 TN 012 0 02 01
ACID 7792 TN 012 0 05 14
ACID 7789 TN 012 0 06 10

DES 717AGN
TN 012 0 06 10
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 444
TGAR 1
LDN NO
NCOS 5
SGRP 0
RNPG 0
SCI 0
SSU
LNRS 16

```
XLST
CLS  CTD FBD WTA LPR MTD FNA HTA ADD HFA
     MWA AAD IMD XHD IRD NID OLD VCE DRG1
     POD DSX VMD CMSD CCSD SWD LNA CNDA
CPND_LANG ENG
RCO  0
HUNT 444
LHK  5
PLEV 02
SPID 7799  <-spid assigned
AST
IAPG 0
AACS NO
ITNA NO
DGRP
PRI  01
DNDR 0
KEY  00 ACD 717 0  7789
        SUPY ACID 7799 KEY 25      <-spv  assigned to set, but not on spv keys
     01 NRD
     02 MSB
     03 DWC 717
     04 SCR 615 0     MARP
     05 SCR 7615 0     MARP
     06 TRN
     07
     08 AO6
     09 CFW 16
     10 MWK 444
     11
     12 ADL 16
     13 ADL 16
     14
     15
DATE 26 JUL 2001


DES  717SPV
TN   012 0 02 05
TYPE 2616
CDEN 8D
CUST 0
AOM  1
FDN  444
TGAR 1
SSU
LNRS 16
XLST
CLS  CTD FBD WTA LPR PUA MTD FNA HTA ADD HFA
     USRD ULAD RTDD PGND OCBD FLXD FTTU
CPND_LANG ENG
DGRP
PRI  01
DNDR 0
```

KEY 00 ACD 717 0 7799
SPV
01 SCR 389 0 MARP
CPND
NAME DAYDRED VASQUEZ
XPLN 20
DISPLAY_FMT FIRST,LAST
02 SCR 489 0 MARP
CPND
NAME DAYDRED VASQUEZ
XPLN 20
DISPLAY_FMT FIRST,LAST
03 CFW 16
04 AO6
05 MWK 444
06 TRN
07
08 DWC 711
09 DWC 717
10 DWC 718
11 DWC 663
12 DWC 714
13
14 OBV
15
16
17 AGT 7785
18 AGT 7794
19
20 AGT 7796
21 AGT 7218
22 AGT 7219
23 AGT 7791
24 AGT 7790
25 **<-**agt not on spv
26 AGT 7787
27 AGT 7786
28 AGT 7797
29 AGT 7784
30 AGT 7783
31 AGT 7782
32
33
34
35
36
37
DATE 26 JUL 2001

pdt> **tnt 12 0 2 5** **<-**supvervisor tn

EQPD SLOOP TN 000**C49** <-supervisor tn in hex
GP 0005672F SLP 00056A50 001B6527 CD 00056B84 001B5CBF LN 0008404A 001B5C1D

pdt> **tnt 12 0 6 10** **<-**agent tn

EQPD SLOOP TN 000**C9A** <-agent tn in hex protected ln ptr unprotected ln ptr
GP 0005672F SLP 00056A50 001B6527 CD 00056F1A 001B52DF LN 000**56C44** 001B4CA6

pdt> **p 56C44 40** **<-**print protected line pointer of the agent for 40 look for the supervisor's tn in hex

00056C44 : 00000053 00002182 00000000 0000050A 00004036 00000444 00000000 00000000
00056C4C : 00000000 00000000 00007000 0000000E 000030C0 00004004 00000000 00001FFF
00056C54 : 00000000 00001000 00000100 00000030 00000000 00000000 00000000 00001100
00056C5C : 000549A1 00000011 00000000 00000000 00000005 00000810 00000000 00000000
00056C64 : 00000342 00000000 00000000 00000000 00000444 00000000 00000000 00000000
00056C6C: 00009877 00000000 00000717 00000000 001B4CDB 00000000 00000**C49** 00000001

pdt> **w 56C6C <cr>** **<-w**rite to the protected line pointer of the agent
00056C6C : 00009877 / **<space>**
00056C6D : 00000000 / **<space>**
00056C6E : 00000717 / **<space>**
00056C6F : 00000000 / **<space>**
00056C70 : 001B4CDB / **<space>**
00056C71 : 00000000/ **<space>**
00056C72 : 00000**C49** /**0** <-remove supervisor tn from agents protected line block

DES 717AGN
TN 012 0 06 10
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 444
TGAR 1
LDN NO
NCOS 5
SGRP 0
RNPG 0
SCI 0
SSU
LNRS 16
XLST
CLS CTD FBD WTA LPR MTD FNA HTA ADD HFA
MWA AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD CCSD SWD LNA CNDA
CFTD SFD DDV CNID CDCA
ICDD CDMD MCTD CLBD AUTU
GPUD DPUD DNDD CFXD ARHD FITD CNTD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID
DDGA NAMA
USRD ULAD RTDD PGND OCBD FLXD FTTU
CPND_LANG ENG
RCO 0
HUNT 444
LHK 5

PLEV 02
SPID NONE <-no more spid
AST
IAPG 0
AACS NO
ITNA NO
DGRP
PRI 01
DNDR 0
KEY 00 ACD 717 0 7789
        AGN   <-no spv assigned
    01 NRD
    02 MSB
    03 DWC 717
    04 SCR 615 0   MARP
    05 SCR 7615 0   MARP
    06 TRN
    07
    08 AO6
    09 CFW 16
    10 MWK 444
    11
    12 ADL 16
    13 ADL 16
    14
    15
DATE 26 JUL 2001

CEQ: **chg**
TYPE: **2616**
TN **12 0 2 5**
ECHG
DES 717SPV
DES
AOM
FDN
TGAR
LDN
NCOS
RNPG
SSU
SGRP
CLS
RCO
HUNT
LHK
LNRS
SCI
PLEV
AST
IAPG
PRI
DNDR

KEY **25 agt 7789** **<-**add agt key to spv tn
KEY

DES 717SPV
TN 012 0 02 05
TYPE 2616
CDEN 8D
CUST 0
AOM 1
FDN 444
TGAR 1
LDN NO
NCOS 5
SGRP 0
RNPG 9
SCI 0
SSU
LNRS 16
XLST
CLS CTD FBD WTA LPR PUA MTD FNA HTA ADD HFA
MWA AAD IMD DOS XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD CCSD SWD LNA CNDA
CFTD SFD DDV CNID CDCA
ICDD CDMD MCTD CLBD AUTU
GPUD DPUD DNDD CFXA ARHD FITD CNTD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID
DDGA NAMA
USRD ULAD RTDD PGND OCBD FLXD FTTU
CPND_LANG ENG
RCO 0
HUNT 444
LHK 1
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
PRI 01
DNDR 0
KEY 00 ACD 717 0 7799
SPV
01 SCR 389 0 MARP
CPND
NAME DAYDRED VASQUEZ
XPLN 20
DISPLAY_FMT FIRST,LAST
02 SCR 489 0 MARP
CPND
NAME DAYDRED VASQUEZ
XPLN 20
DISPLAY_FMT FIRST,LAST
03 CFW 16

04 AO6
05 MWK 444
06 TRN
07
08 DWC 711
09 DWC 717
10 DWC 718
11 DWC 663
12 DWC 714
13
14 OBV
15
16
17 AGT 7785
18 AGT 7794
19
20 AGT 7796
21 AGT 7218
22 AGT 7219
23 AGT 7791
24 AGT 7790
25 AGT 7789 **<-**now agt acid shows up on the spv tn
26 AGT 7787
27 AGT 7786
28 AGT 7797
29 AGT 7784
30 AGT 7783
31 AGT 7782
32
33
34
35
36
37
DATE 27 JUL 2001

DES 717AGN
TN 012 0 06 10
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 444
TGAR 1
LDN NO
NCOS 5
SGRP 0
RNPG 0
SCI 0
SSU
LNRS 16
XLST

CLS CTD FBD WTA LPR MTD FNA HTA ADD HFA
IRD NID OLD VCE DRG1
    POD DSX VMD CMSD CCSD SWD LNA CNDA
    CFTD SFD DDV CNID CDCA
    ICDD CDMD MCTD CLBD AUTU
    GPUD DPUD DNDD CFXD ARHD FITD CNTD CLTD ASCD
    CPFA CPTA ABDD CFHD FICD NAID
    DDGA NAMA USRD ULAD RTDD PGND OCBD FLXD FTTU
CPND_LANG ENG
RCO 0
HUNT 444
LHK 5
PLEV 02
SPID 7799 **<-**spid is back
AST
IAPG 0
AACS NO
ITNA NO
DGRP
PRI 01
DNDR 0
KEY 00 ACD 717 0 7789
        SUPY ACID 7799 KEY 25 **<-**spv shows up correctly
    01 NRD
    02 MSB
    03 DWC 717
    04 SCR 615 0   MARP
    05 SCR 7615 0   MARP
    06 TRN
    07
    08 AO6
    09 CFW 16
    10 MWK 444
    11
    12 ADL 16
    13 ADL 16
    14
    15
DATE 26 JUL 2001

By Allen Russell

DND active on TN but stat and trace show idle

FOR A BCS TYPE SET

```
pdt>p 9150<---CDNXPTR[0] @ 009150
00009150 : 00084AD5
pdt>p 84ad5 b                          2
00084AD5 : 000007FE 00086F4A 00084B4B 00084C0B 00084BE4 00085A18 00084B24 00084C5E
00084ADD : 00084C6C 00084C50 00084AE2
pdt>p 84b4b b                                  3
00084B4B : 000003FE 00084CD6 00084D20 00084F90 00084E70 00084B72 00084B90 00084D8C
00084B53 : 00084DC8 00084B57 00000000
pdt>p 84f90 b
00084F90 : 000007FE 000851BC 00085598 00084F9C 0008562A 00085642 0008561E 00085934
                   8
00084F98 : 00085756 0008558C 000851D4
pdt>p 85756 b                          2382
00085756 : 00000004 00002C29 00087D31 00001E6C 00002C2D 00002C32 00002C35 00002C39
0008575E : 00002C3D 00001464 00002C25
pdt>p 87d31 9
00087D31 : 00008209 00000001 00000000 00088319 00000000 000003FF 00000000 00000003
00087D39 : 0000368F
pdt>dnt 0 2382
DIG 4 BCS
DNBLOCK     word  0         1          2         etc...
00087D31 :   00008209 00000001 00000000 00088319 00000000 000003FF 00000000 00000003
00087D39 :   0000368F
pdt>w 87d31
00087D31 : 00008209 / <space bar>
00087D32 : 00000001 /0<--zero out word 1 bit 0 of DNBLOCK
pdt>
DNBLOCK_DNDBIT (1, 0, 1)  ie..word 1 bit 0 for 1 bits
```

FOR SINGLE APPEARANCE 500 SET

```
pdt> p 9150<---CDNXPTR[0] @ 009150
00009150 : 0005C1FE
pdt> p 5c1fe b                                                  4
0005C1FE : 000007FE 0005C24C 0005C24D 0005C277 0005C2A7 0005C2C2 0005C33E 0005C2EC
0005C206 : 0005C34C 0005C31C 0005C20B
pdt> p 5c2a7 b
0005C2A7 : 0000063E 00070028 00070034 0006FFE0 00070010 0006FFD4 00000000 00000000
                                                 0
0005C2AF : 00000000 00070064 0005C2B3
pdt> p 5c2b3 c                          2
0005C2B3 : 0000045A 000701A0 00000414 0007059B 00070800 000006EE 000704B4 000004D5
0005C2BB : 000004D6 000006CA 0005C2BF 00000002<--this field will contain the DND bits for each DN
pdt> dnt 0 402
DIG 3 PBX   4  0  5   0
pdt>
EXAMPLE:    0 9 8 7 6 5 4 3 2 1
00000002=   0 0 0 0 0 0 0 0 1 0<--when you convert 002 to binary you can see that place value 2 has
                                  a 1 in that spot, so the DND bit is set for dn 402, so to clear this
                                  you simply write this field to 0.
pdt>w 5c2be
0005C2BB :       00000002 /0
pdt>
```

By Allen Russell

HOW TO PUT THE SYSTEM INTO AND OUT OF NITE SERVICE FROM PDT

NIGHT_SERV_FLAG (150,0,1)

```
pdt> dcp 0  <-display customer pointer

CUST 0 P 062291 U 1AF303 AUX 062425 ICI 000000 PREXL 000000 BGD 06257F

pdt> su <-go into superuser
-> 150  <-converert 150 decimal to hex

value = 150 = 0x96  <-150 decimal is 96 hex

-> exit    <-exit superuser
pdt> p 62291 97  <-you can print the protected customer pointer for 97
                   since the cdb starts with word 0 it will put you at
                   word 96

00062291 : 00004B04 00000000 0000FFFF 00000004 00000000 00000000 00000000 00000000
00062299 : 00000000 000051E0 00000411 00000000 00000000 001AF303 00000001 00001000
000622A1 : 00000000 00000000 00000000 00000000 00000000 00000000 00075EDC 00000000
000622A9 : 00000000 00000000 0000300C 0000FEA0 00000000 00000000 00000000 00000000
000622B1 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
000622B9 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
000622C1 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
000622C9 : 00000000 00000000 00000000 00000000 00000000 00000000 0000001E 0000FFFE
000622D1 : 0000FFFF 0000FFFF 0000FFFF 0000FFFE 0000FFFF 0000FFFF 0000FFFF 00000000
000622D9 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
000622E1 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
000622E9 : 00000011 00001E08 00000000 00000000 00000000 00000000 00000000 00000000
000622F1 : 00000029 0000CFC3 0000C6CE 000000C9 00000000 000000C5 00000000 00000000
000622F9 : 00000000 00000000 00000000 00008000 00000000 00000000 0000003F 00001E00
00062301 : 0000381E 0000001E 00000000 00000000 00000000 00000000 00000000 00000032
00062309 : 00008400 00000854 00000864 00000192 00000000 0000A85A 00000111 00000000
00062311 : 00001111 0000FF30 0000FFFF 000001E0 00000010 0000781E 0007154C 00000000
00062319 : 0006D794 00000000 0000000A 00000000 00000000 00000002 00000000
00062321 : 00000000 00005100 00000000 00073800 00000000 00000000 00000801  <-word
96
pdt> su

-> 0x62291 + 0x96 <-or you can add 96 hex to the protected customer pointer
value = 402215 = 0x62327 <-address to word 150 of the customer data block
-> exit
pdt> p 62327


00062327 : 00000801  <-the 1 means system is in nites
pdt>w 62327
00062327 : 00000801/800  <-changing to a 0 would mean system is out of nites
```

By Allen Russell

group and shelf to loop and hex and persig and 3pe and fiji and igs correlation												
group 0-7	shelf 0-1	loops 0-255	hex code	superloop 0-252	persig 0-15	3pe address	fiji ring 0	fiji ring 1	igs slot 0	junctor board jacks j1-j22		igs slot 1
group 0	shelf 0	0-15	9x	0 4 8 12	0 4x	0G0 Ex	0 0		0 5x	j1	j6	2 5x
group 0	shelf 1	16-31	Ax	16 20 24 28	1	1G0 Fx		0 1	1	j22	j17	3
group 1	shelf 0	32-47	Bx	32 36 40 44	2	0G1	1 0		4	j2	j7	6
group 1	shelf 1	48-63	Cx	48 52 56 60	3	1G1		1 1	5	j21	j16	7
group 2	shelf 0	64-79	Dx	64 68 72 76	4	0G2	2 0		8	j3	j8	10
group 2	shelf 1	80-95	19x	80 84 88 92	5	1G2		2 1	9	j20	j15	11
group 3	shelf 0	96-111	1Ax	96 100 104 108	6	0G3	3 0		12	j4	j9	14
group 3	shelf 1	112-127	1Bx	112 116 120 124	7	1G3		3 1	13	j19	j14	15
group 4	shelf 0	128-143	1Cx	128 132 136 140	8	0G4	4 0		16 6x	j5	j10	18 6x
group 4	shelf 1	144-159	1Dx	144 148 152 156	9	1G4		4 1	17 6x	j18	j13	19 6x
group 5	shelf 0	160-175	13x	160 164 168 172	10	0G5	5 0					
group 5	shelf 1	176-191	14x	176 180 184 188	11	1G5		5 1				
group 6	shelf 0	192-207	15x	192 196 200 204	12	0G6	6 0					
group 6	shelf 1	208-223	16x	208 212 216 220	13	1G6		6 1				
group 7	shelf 0	224-239	17x	224 228 232 236	14	0G7	7 0					
group 7	shelf 1	240-255	18x	240 244 248 252	15	1G7		7 1				

By Allen Russell

CallPilot Passwords		
FUNCTION	**USERID**	**PASSWORD**
Server logon DESIGN 1.05-2.0	NGENSYS	__ngen!
Server logon ETAS	ngendesign	Nortel
Server logon CUSTOMER	ngendist	ntdist
Server logon CLIENT 1.06	sysadmin	nortel or abc123
PCAnyWhere, RAS 1.06 1.07	NGENDIST	ntdist
PCAnyWhere 1.07 NEW INSTALL	CALLPILOTDIST	NortelSup
PCAnyWhere 1.06 1.07 ETAS	NORTELSUPPORT	ctsnamessaging
PCAnyWhere logon 10.5	CALLPILOTDIST	<MudABye:9
PCAnyWhere ETAS 2.0	NORTELSUPPORT	!BedUGap.4
PCAnywhere 3.0	CallPilotDist	d</\>RA=cp3
PCAnywhere 4.0	CallPilotDist	d</\>ra.CP4
PCAnywhere 5.0	CallPilotDist	%d</\>Ra.Cp5
Client login default	sysadmin	nortel or abc123
RAS 3.0	NGenDist	Bvw_250!#
2K3 server	NGenSys	Bvw_250!#
ETAS Support Tools 1.05 -1.06	tas	_tas98
ETAS Support Tools 1.07	tas	CTS!2K_nt
ETAS Support Tools 2.0	tas	!TazIYex.4
ETAS Support Tools 3.0	tas	ns:;=,.ST&cp3
ETAS Support Tools 4.0	tas	ns:;=,.st!CP4
ETAS Support Tools 5.0	tas	Ns:;--,.St!cP5
Design Support Tools 3.0	designer	bvwIAGP2L!cp3
Customer Support Tools 1.05 -1.06	customer	#cust1
Distributor Support Tools 1.05- 1.06	distributor	$dist1
Distributor Support Tools 1.07	distributor	DST@2K_nt
Distributor Support Tools 2.0	distributor	<ZagUNot:9
Distributor Support Tools 3.0	distributor	d</\>ST*cp3
Distributor Support Tools 4.0	distributor	d</\>st.CP4
Distributor Support Tools 5.0	distributor	%d</\>St.cP5
Callpilot Manager 2.0	000000	124578
Mylex login 2.0	gamroot	abc123
RAS 2.0	NGenDist	ntdist
ISQL Database logon	blue	_abc97
ISQL Database logon	blue	_abc06
WebServer Database logon	yellow	_unsec01
OA&M Reporter default logon		password
Client MAT default logon	admin	admin
default 3.0 install passwords	Administrator	Bvw_250!#
	NGenSys	Bvw_250!#
	NGenDist	Bvw_250!#
	NGenDesign	Bvw_250!#
default 4.0 install passwords	Administrator	Bvw250
	NGenSys	Bvw250
	NGenDist	Bvw250
	NGenDesign	Bvw250
CallPilot Mini passwords		
FUNCTION	**USERID**	**PASSWORD**
telnet	tas	POU4F3
def	none	0000
To start support tools, type: nbsa_ltl – self mcetools		

EDD007 BACKUP FAILED
Caused by corrupted floppy diskette

Procomm Plus Ready!

1 Read Mass Memory
2 Search Mass Memory
3 Count Matching Strings in Mass Memory
4 Status Report
5 Display I/O Port Status
6 Clear Mass Memory
7 Go Transparent to Host Port
X Logout

Command: 7
Which host port? (1,2,3,4) 1
OK - use <control>] A to terminate

TTY 07 SCH MTC BUG 4:24
OVL111 IDLE 0
>
TTY 07 SCH MTC BUG 4:24
OVL111 IDLE 0
>LOII ADMIN2
PASS?
SEC0029 SECURITY WARNING: THIS SYSTEM CONTAINS INSECURE PASSWORDS, NOTIFY YOUR SYSTEM ADMINISTRATOR

.
TTY #07 LOGGED IN ADMIN2 04:25 18/8/2008

SRPT4619 WARNING: Last Archive Procedure had failed
    No archives were completed since Aug 16 00:05:00 2008
    Use LD 143 to perform Attended Backup(ABKO)
>LD 22
PT2000

REQ PRT
TYPE VHST
%% 93%
%
% TTY #07 LD 137 ADMIN2 00:37:30 18/8/2008
%
% TTY[ ]#07 LOGGED OUT ADMIN2 00:37 18/8/2008
% SESSION DURATION: 00:29
%

VHST[HST] FIND EDD007
%% 17%
%
% Database backup failed !
%
% [E]DD007
%

```
%

VHST[HST] UP 20
%%  14%
%
%   ALARM_MGT
%   SYSCFG_MGT
%   ACCOUNT_MGT[]
% CHECKING
%
% RECORD COUNT =  0217

VHST[HST] NEXT 55
%%  23%
%
% CHECKING
%
% RECORD COUNT =  0217
% DATADUMP COMPLETE
%
%
% Backing up reten.bkp
%
% Starting database backup
% to floppy diskette on CMDU 1
% KEYCODE
% DIRECTORY
% CONFIG
% DATA
%
% SCSI017 1 Error Writing to Floppy Disk, sector 49, errNo 0x370003, sense 0x3, addSense 0x14
% Database backup failed !  ←backup failed during midnight routines
%
% EDD007
%
%
% DROL001 DAILY ROUTINE END
% DUMP  LD43  END  00:06  17/8/2008
%
% PRI TRK  LOOP 2 ATLP 0
% DROL000 DAILY ROUTINE BEGIN
% DTIM  LD60  BEGIN  00:06  17/8/2008
%
% SCSI017 1 Error Writing to Floppy Disk, sector 49, errNo 0x370003, sense 0x3, addSense 0x14
%
% SLFT OK
% TRSH CNT:
% BPV     -000
% SLIPD   -000
% SLIPR   -000
% CRC     -000
% LOSFA   -000
% OS_BPV  -000
% OS_LOSFA-000
% OS_YEL  -000
%
% PRI TRK  LOOP 3 ATLP 0
% TEMU044 Errno 0x370003: Failure writing to fd 44
%
```

```
% SLFT OK
% TRSH CNT:
% BPV     -000
% SLIPD   -000
% SLIPR   -000
% CRC     -000
% LOSFA   -000
% OS_BPV  -000
% OS_LOSFA-000
VHST[HST] ****

OVL000
>

PDT:  login on /sdi/tty7
Password:



The software and data stored on this system are the property of,
or licensed to, Nortel Networks and are lawfully available only
to authorized users for approved purposes.  Unauthorized access
to any software or data on this system is strictly prohibited and
punishable under appropriate laws.  If you are not an authorized
user then logout immediately.  This system may be monitored for
operational purposes at any time.

SEC0029 Security Warning: This system contains insecure passwords, notify your system administrator
pdt>
pdt> devs  <-lists out hardware devices
drv name
  0 /null
  1 /lcd
  2 /sio/0
  2 /sio/1
  4 /id0
  4 /id1
  4 /f0 <-floppy 0
  6 /cd0
  4 /f1 <-floppy 1
  6 /cd1
  4 /u
  4 /p
  5 /rf0
  5 /rf1
  7 /mem/
  8 /flash/
 11 /pty/ptty00.S
 12 /pty/ptty00.M
 11 /pty/ptty01.S
 12 /pty/ptty01.M
 11 /pty/ptty02.S
 12 /pty/ptty02.M
 11 /pty/ptty03.S
 12 /pty/ptty03.M
 11 /pty/ptty04.S
 12 /pty/ptty04.M
 11 /pty/ptty05.S
 12 /pty/ptty05.M
```

```
 11 /pty/ptty06.S
 12 /pty/ptty06.M
 11 /pty/ptty07.S
 12 /pty/ptty07.M
  4 /pdtmac
 13 /sdi/tty4
 13 /sdi/tty0
 13 /sdi/tty1
 13 /sdi/tty5
 13 /sdi/tty6
 13 /sdi/tty7
 13 /sdi/tty8
 13 /sdi/tty9
  3 /POVL1
  3 /POVL2
  3 /POVL3
  3 /POVL4
  3 /POVL5
pdt>
pdt> symload  ←loads symbol table
Enter Nortel to get VxShell -->Nortel
Loading symbols from "/flash/res.sym"
pdt> osVersion  ←shows software version
OS: Date = Jul 28 2005, Time = 03:44:30, Base = x210450w
value = 0 = 0x0
pdt>
pdt> machTypeShow  ←shows machine type
from direct.rec: System type is - Option 61C/CP4
from os:         CP4 [Nortel Networks]
value = 39 = 0x27
pdt>
pdt> cd /f1  ←changes directory to floppy drive 1
pdt>
pdt> ll  ←list long version of files in directory

Directory of '/f1':

  SIZE        DATE      TIME       NAME
----------  ----------- --------  ------------
    1114   Aug-18-2008  00:10:00   KEYCODE.KCD
      28   Aug-18-2008  00:09:58   DISK0001.DAT
    1024   Aug-18-2008  00:10:02   DIRECT.REC
    1024   Aug-18-2008  00:10:04   CONFIG.REC
    4096   Aug-18-2008  00:10:20   DATABASE.REC ←file size way to small compared to floppy 0
                                    ←missing the rest of the files

pdt> ll /f0  ←list files on floppy drive 0

Directory of '/f0':

  SIZE        DATE      TIME       NAME
----------  ----------- --------  ------------
    1114   Jun-19-2008  07:29:40   KEYCODE.KCD
      28   Jun-19-2008  07:29:40   DISK0001.DAT
    1024   Jun-19-2008  07:29:42   DIRECT.REC
    1024   Jun-19-2008  07:29:42   CONFIG.REC
  222208   Jun-19-2008  07:30:00   DATABASE.REC ←file size looks correct
     512   Jun-19-2008  07:30:02   HI            <DIR>
      17   Jun-19-2008  07:30:08   ZONE.DB
```

```
     25  Jun-19-2008  07:30:10   ESET1.DB
     25  Jun-19-2008  07:30:10   ESET2.DB  ←the rest of the files are present
   2374  Jun-19-2008  07:30:12   SYSCFG.DB
    915  Jun-19-2008  07:30:14   ACCOUNTS.DB
    841  Jun-19-2008  07:30:14   ARCHIVE.DAT
 144000  Jun-19-2008  07:30:50   RETEN.BKP

pdt>pwd ←shows what directory you are presently in
/f1
pdt>chkdsk ←shows disk volume label name and free space on disk
Volume in drive '/f1' has no label
1445376 bytes free on '/f1'
pdt>
pdt> ll

Directory of '/f1':

  SIZE        DATE      TIME       NAME
----------  ----------- --------  ------------
    1114  Aug-18-2008  00:10:00   KEYCODE.KCD
      28  Aug-18-2008  00:09:58   DISK0001.DAT
    1024  Aug-18-2008  00:10:02   DIRECT.REC
    1024  Aug-18-2008  00:10:04   CONFIG.REC
    4096  Aug-18-2008  00:10:20   DATABASE.REC

pdt> rm database.rec ←removed database.rec file
pdt> cp /u/db/database.rec .  ←tried to copy database.rec from hard disk to floppy and it failed

SCSI017 1 Error Writing to Floppy Disk, sector 41, errNo 0x370003, sense 0x3, addSense 0x14
Error writing file '/f1/database.rec'
     0 bytes copied
pdt> ll

SCSI017 1 Error Writing to Floppy Disk, sector 41, errNo 0x370003, sense 0x3, addSense 0x14

Directory of '/f1':

  SIZE        DATE      TIME       NAME
----------  ----------- --------  ------------
    1114  Aug-18-2008  00:10:00   KEYCODE.KCD
      28  Aug-18-2008  00:09:58   DISK0001.DAT
    1024  Aug-18-2008  00:10:02   DIRECT.REC
    1024  Aug-18-2008  00:10:04   CONFIG.REC

pdt>
pdt> format /f1 ←reformatted floppy diskette
Disk '/f1' will be formatted (y/n) ?y
Formatting disk '/f1'

Initializing file system on device '/f1'

Format complete
pdt> ll

Directory of '/f1':

  SIZE        DATE      TIME       NAME
----------  ----------- --------  ------------
```

```
pdt> chkdsk
Volume in drive '/f1' has no label
1457664 bytes free on '/f1'
pdt> sl1input  ←switches back to normal tty access without exiting pdt completely

OVL000
>ld 43
EDD000


.bko  ←backup to floppy diskette

Backing up reten.bkp

Starting database backup
to floppy diskette on CMDU 1
KEYCODE
DIRECTORY
CONFIG
DATA
HI
ZONE
ESET1
ESET2
SYSCFG
ACCOUNTS
Backing up reten.bkp to floppy

Database backup Complete!  ←backup was successful

.
EDD000



.
TEMU129 BackUP process ended successfully.
      Number of floppy diskette(s) used: 1
      Amount of space remaining on the last floppy: 1051


pdt> ll

Directory of '/f1':

  SIZE       DATE      TIME       NAME
----------  ----------- --------  ------------
    1114   Aug-18-2008  04:36:18   KEYCODE.KCD
      28   Aug-18-2008  04:36:16   DISK0001.DAT
    1024   Aug-18-2008  04:36:18   DIRECT.REC
    1024   Aug-18-2008  04:36:20   CONFIG.REC
  222208   Aug-18-2008  04:36:38   DATABASE.REC  ←looks good now
     512   Aug-18-2008  04:36:38   HI                 <DIR>
      17   Aug-18-2008  04:36:46   ZONE.DB
      25   Aug-18-2008  04:36:48   ESET1.DB
      25   Aug-18-2008  04:36:48   ESET2.DB
    2374   Aug-18-2008  04:36:50   SYSCFG.DB
     915   Aug-18-2008  04:36:52   ACCOUNTS.DB
     842   Aug-18-2008  04:36:52   ARCHIVE.DAT
  144000   Aug-18-2008  04:37:26   RETEN.BKP
```

pdt> sl1input

****

By Allen Russell

FIJI CORRUPTION

FIJI0038 WHEN TRYING TO ENABLE FIJI CARD
FIJI0038 WHEN TRYING TO PERFORM 360 TEST ON FIJI CARD

TTY 08 SCH MTC OSN CTY 14:27
OVL111 IDLE 0

>loii admin1
PASS?
SEC0029 SECURITY WARNING: THIS SYSTEM CONTAINS INSECURE PASSWORDS, NOTIFY YOUR SYSTEM ADMINISTRATOR
.
TTY #08 LOGGED IN ADMIN1 14:32 15/2/2010
>
The software and data stored on this system are the property of,
or licensed to, Nortel Networks and are lawfully available only
to authorized users for approved purposes. Unauthorized access
to any software or data on this system is strictly prohibited and
punishable under appropriate laws. If you are not an authorized
user then logout immediately. This system may be monitored for
operational purposes at any time.
>ld 39
ISR000
.stat ring 0
RING STATE: DRIVES FULL
RING AUTO RECOVERY IS OFF
FIJI 0 0 ENBL
FIJI 1 0 ENBL
FIJI 2 0 UNEQ
FIJI 3 0 UNEQ
FIJI 4 0 UNEQ
FIJI 5 0 UNEQ
FIJI 6 0 UNEQ
FIJI 7 0 UNEQ
.stat ring 1
RING STATE: DRIVES NONE
RING AUTO RECOVERY IS OFF
FIJI 0 1 MAN DSBL
FIJI 1 1 ENBL
FIJI 2 1 UNEQ
FIJI 3 1 UNEQ
FIJI 4 1 UNEQ
FIJI 5 1 UNEQ
FIJI 6 1 UNEQ
FIJI 7 1 UNEQ
.
Username: pdt2
Password:

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or licensed to, Nortel Networks and are lawfully available only
to authorized users for approved purposes. Unauthorized access
to any software or data on this system is strictly prohibited and
punishable under appropriate laws. If you are not an authorized
user then logout immediately. This system may be monitored for
operational purposes at any time.
SEC0029 Security Warning: This system contains insecure passwords, notify your system administrator
pdt> pua

TRUNK_MONITOR @ 00000781 = 0000
TRUNK_TN @ 00000782 = 0000 0000 0000 0000 0000 0000 0000
DTSL_MONITOR @ 000015F1 = 0000
DTSL_MON_WORDS @ 000015F2 = 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
SNAP_BUG_RAS_OFS @ 0000A5E0 = 00000000
UIPE_BUG_PRT_CTL @ 00005B52 = 0060

USPARE_WORDS[0] @ 00001024 , SIZE 0147 PSPARE_WORDS[0] @ 00008DD4 , SIZE 0020
U_JUNK_WORDS[0] @ 000077D2 , SIZE 00C8 P_JUNK_WORDS[0] @ 0000AF82 , SIZE 00C8

MEM_PHYS_MEM_LIM @ 00009CAF LAST_INIT_HOUR @ 00009119

CONFIGLOOP[0] @ 000098BE , SIZE 0100 SYS_XPEC[0] @ 000099E3 , SIZE 0064
CRSTART @ 00008003 CREND @ 00008004
QUEUE_ADDR[0] @ 00008E63 , SIZE 0025
CDNXPTR[0] @ 00008F50 , SIZE 0064 SCLMHTPTR @ 0000907C
BCS_TEMPL_HDR @ 0000936C PBX_TEMPL_HDR @ 0000936D
LOG_IO_PTR @ 0000A80A CONFIGTTYOP[0] @ 000097BE , SIZE 0010
P_MSDLMISP_MHPTR @ 0000A806 IO_TABLE_PTR @ 00008002
P_VAS_TBL_HDR @ 00009CD9 P_BRI_PROTMHTPTR @ 0000A62D
DTSLHT_PTR @ 0000911F CON_DDCS_FLAG[0] @ 00009818 , SIZE 0100
TRO_ERR_MONITOR @ 000015FC = 0000
SET_RELOC_TABLE @ 00009AAB
TTYLOGU[0] @ 00008E45 , SIZE 0010
DECT_RANGE_FLAG @ 000058DA = 0000

pdt> p a806

0000A806 : 0453C19D ← p_msdlmisp_mhptr

pdt> p 453c19d 100

0453C19D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1A5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1AD : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1B5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1BD : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1C5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1CD : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1D5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1DD : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1E5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1ED : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1F5 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C1FD : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C205 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C20D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C215 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C21D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C225 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C22D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C235 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C23D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C245 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C24D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C255 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C25D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C265 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C26D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C275 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C27D : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0453C285 : 00000000 00000000 00000000 00000000 00000000 00000000 0454319F 0454321B
0453C28D : *045432E1* *0454335D* *045433D9* *04543455* 00000000 00000000 00000000 00000000
FIJI 0 0 FIJI 0 1 FIJI 1 0 FIJI 1 1 ETC...
0453C295 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

pdt>p 454335d 8

0454335D : 045433D3 *0764E7A7* 045433A2 0764E695 0764E58B 0764E37B 00001000 00000000

pdt> p 764e7a7 20

0764E7A7 : 00000400 0000D2DC 00000000 000002A4 00000060 000B372D 00000000 00000000
0764E7AF : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
0764E7B7 : 00000004 0000001D 00000001 00000000 00000000 *0764E35E* 00002102 00000000
0764E7BF : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

```
pdt> p 764e35e 4

0764E35E : 00000901 00000003 00000000 071B7BDE  ←NEED TO ZERO OUT THIS VALUE

pdt> w 764e35e

0764E35E : 00000901 / <space>
0764E35F : 00000003 / <space>
0764E360 : 00000000 / <space>
0764E361 : 071B7BDE /0

pdt> p ae5a 20  (pointer for 6.0=ab46)

0000AE5A : 0764D74C 00000001 00000008 00000100 00000007 000000FF 00000010 00000010
0000AE62 : 0000000F 00000008 00000008 00000007 00000007 00000040 000000FC 00000020
0000AE6A : 0000001F 00001F00 00000001 ←NEED TO ZERO OUT THIS VALUE

pdt> w ae6a

0000AE6A : 0000001F/ <space>
0000AE6B : 00001F00/ <space>
0000AE6C : 00000001 /0

pdt>

FIJI062 FIJI 0 1: ENABLING FIJI CARD
FIJI204 0 1 FIJI  BASE
FIJI064 FIJI 0 1: SELFTEST DONE
pdt> sl1input
ISR000
NEW STATE RING 0: HALF
        RING 1: HALF
.stat ring 0
RING STATE: DRIVES HALF (000 - 479 )
RING AUTO RECOVERY IS ON
FIJI 0  0 ENBL
FIJI 1  0 ENBL
FIJI 2  0 UNEQ
FIJI 3  0 UNEQ
FIJI 4  0 UNEQ
FIJI 5  0 UNEQ
FIJI 6  0 UNEQ
FIJI 7  0 UNEQ

.stat ring 1
RING STATE: DRIVES HALF (480 - 959 )
RING AUTO RECOVERY IS ON
FIJI 0  1 ENBL
FIJI 1  1 ENBL
FIJI 2  1 UNEQ
FIJI 3  1 UNEQ
FIJI 4  1 UNEQ
FIJI 5  1 UNEQ
FIJI 6  1 UNEQ
FIJI 7  1 UNEQ
```

BUG386

Everytime someone dialed DN 4670 the BUG386 was output.

BUG0386
CPND Name pointer is out of protected memory range. Procedure PTR_TO_LANG.
Contact your technical support group
Severity: Major

BUG386
% BUG386 : 0451F804 **0000BF8A** 045D5F51 00000000 00000000 **0000A764** **<--DN 4670**
% BUG386 + 00B33E62 00CB285A 00CB25E3 00CB247E 00CB219E
% BUG386 + 132E2B69 0095BA5C 0095A6C9 0095A01D 00B7A4A8
% BUG386 + 0040ADA1 00409B80 0040995D 004067E7 00A7BBDD
% BUG386 + 00A79C97 1330B8B9 00A76896 00A74E63 00A74CEF
% BUG386 + 01D973AD 01D92F9D 01CC0870 01CBFF6B 1326A7A1
% BUG386 + 01D1EE96 01D1B919 01D161B5 01D11646 01B73276
% BUG386 + 01B72D00 01B72C54 01B6EC21 01B68362 011107FC

REQ: **prt**
TYPE: **dnb**
CUST **0**
DN **4670**
DATE
PAGE
DES

DN 4670 **<--printing a DNB causes the bug**
BUG386
BUG386 : 0451F804 **0000BF8A** 045D5F51 00000000 00000000 **0000A764**
BUG386 + 00B33E62 00CB285A 00CB25E3 00CB247E 00CB219E
BUG386 + 005F9714 005E6EE4 005E460A 005DB49A 006F44D3
BUG386 + 006F386A 006F3677 017BA94B 017BA71C 01B03378
BUG386 + 01B0208B 01B01AE9 01AFEDFA 01AFB7E3 01B68B75
BUG386 + 01B68814 01B68503 01B683EC 011107FC

TYPE SL1
TN 172 1 05 29 V KEY 00 H MARP DES UNTLT 14 NOV 2008 (2004P2)

REQ **prt**
TYPE **name** **<--printing the NAME causes the bug**
CUST **0**
PAGE
DIG
DN **4670**
SCH2115

BUG386
BUG386 : 0451F804 **0000BF8A** 045D5F51 00000000 00000000 **0000A764**

BUG386 + 00B33E62 00CB285A 00CB25E3 00CB247E 00CB219E
BUG386 + 007BF164 007BF0D5 007C5E41 007C035D 007BAABE
BUG386 + 007BA5D8 007B9DFA 01B03387 01B0208B 01B01AE9
BUG386 + 01AFEDFA 01AFB7E3 01B68F62 01B687AD 01B68503
BUG386 + 01B683EC 011107FC
DN
ENTR **
pdt> **dnt 0 4670**

DIG 4 BCS **CPND Name pointer=BF8A**
045C28C1 : 00008209 00000000 00000000 **0000BF8A** 00000000 000003FF 00000000 00000003
045C28C9 : 0000AFD5
pdt> **w 45c28c1 <cr>**

045C28C1 : 00008209 / **<sp>**
045C28C2 : 00000000 / **<sp>**
045C28C3 : 00000000 / **<sp>**
045C28C4 : 0000BF8A /**0 <cr>** **zero out the CPND Name pointer**
pdt> **dnt 0 4670**

DIG 4 BCS **no CPND Name pointer**
045C28C1 : 00008209 00000000 00000000 **00000000** 00000000 000003FF 00000000 00000003
045C28C9 : 0000AFD5

pdt> **sl1input**

REQ: **prt**
TYPE: **dnb**
CUST **0**
DN **4670**
DATE
PAGE
DES

DN 4670 **<--no bug when print DNB**
TYPE SL1
TN 172 1 05 29 V KEY 00 H MARP DES UNTLT 14 NOV 2008
(2004P2)

REQ **prt**
TYPE **name**
CUST **0**
PAGE
DIG
DN **4670** **<--no bug when print NAME**
SCH2115

DN

REQ **new**
TYPE **name**

CUST **0**
DIG
DN **4670** **<--built new NAME**
NAME **test**
XPLN
DISPLAY_FMT

MGMT001 DNB NEW DN:4670 CUST:0 LANG:ROM
DN
ENTR
DCNO

MEM AVAIL: (U/P): 45114080 USED U P: 5757238 741351 TOT: 51612669
DISK SPACE NEEDED: 1194 KBYTES
REQ **prt**
TYPE **name**
CUST **0**
PAGE
DIG
DN **4670** **<--no bug when print NAME or DNB**

DN 4670
TYPE SL1/MIX
NAME test
XPLN 27
DISPLAY_FMT FIRST,LAST

By Allen Russell

SCH0710

BUT ACD LIST IS NOT FULL

Receiving SCH0710 when attempting to add ACD DN to system. Receiving SCH0710 when attempting to re-program an ACD DN that you out and try to rebuild. ISM parameters show 24000 total and 24 used. Should allow 240 per customer without ACDE option 388 on PII machine.

SCH0710=ACD list is full.
Severity: Info

PROBLEM

REQ **new**
TYPE **acd**
CUST **0**
ACDN **4036**
MWC
IMS
MAXP **1**
SDNB
BSCW
ISAP
RGAI
ACAA
FRRT
SRRT
NRRT
FROA
NCFW
FNCF
FORC
RTQT
SPCP
OBTN
RAO
CWTH
NCWL
BYTH
OVTH
TOFT
HPQ
OCN
OVDN
IFDN
OVBU
EMRT
MURT
RTPC
RAGT
DURT
RSND
FCTH
CRQS
IVR
OBSC
OBPT
SCH0710 <----problem

MEM AVAIL: (U/P): 25752833 USED U P: 2528482 275993 TOT: 28557308
DISK SPACE NEEDED: 453 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1 (PROJECTED LD43 - BKO)
ACD DNS AVAIL: 23976 USED: 24 TOT: 24000

REQ **slt**
ANALOGUE TELEPHONES 704 LEFT 194 USED 510
CLASS TELEPHONES 0 LEFT 0 USED 0
DIGITAL TELEPHONES 1144 LEFT 318 USED 826
WIRELESS TELEPHONES 0 LEFT 0 USED 0
INTERNET TELEPHONES 80 LEFT 1 USED 79

```
WIRELESS VISITORS       0    LEFT     0    USED     0
ACD AGENTS             20    LEFT    20    USED     0
PCA                     0    LEFT     0    USED     0
ITG ISDN TRUNKS         0    LEFT     0    USED     0
IP PEER H.323 TRUNKS   24    LEFT     0    USED    24
AST                     1    LEFT     1    USED     0
RAN CON                 0    LEFT     0    USED     0
MUS CON                 0    LEFT     0    USED     0
TNS                 32760    LEFT 31080    USED  1680
ACDN                24000    LEFT 23976    USED    24 <----ACDN limits
AML                    16    LEFT    15    USED     1
IDLE_SET_DISPLAY NORTHROP GRUMMAN
LTID                32760    LEFT 32760    USED     0
RAN RTE               512    LEFT   512    USED     0
ATTENDANT CONSOLES  32760    LEFT 32758    USED     2
BRI DSL             10000    LEFT 10000    USED     0
DATA PORTS          32760    LEFT 32760    USED     0
PHANTOM PORTS       32760    LEFT 32743    USED    17
TRADITIONAL TRUNKS  32760    LEFT 32616    USED   144
DCH                   255    LEFT   254    USED     1
```

STEPS TAKEN TO CLEAR CORRUPTION

```
pdt>ACDqshow 1 0
System: ACD DN Limit: 24000
System: Number of ACD DNs configured: 24
System: ACD Agent Limit: 20
System: Number of ACD Agents configured: 0

Customer 0
Protected Cust. Data Block at 1c12ac2 (0x9022b08) <--pointer to Protected CUSTOMER DATA BLOCK
ACD Agent ID Table: (None)
ACD List Block at 1c31f1a (0x909fc68)
Number of queues 28

Index.   DN.       Type.   Pos.   NSVC.    P. ACD Blk.  Unp. ACD Blk.
-------------------------------------------------------------------------
  0     3131        ACD     12     DAY       1c32867       370e216
  1     3177        ACD      0     DAY       1c32809       370e150
  2     6628        ACD      0     DAY       1c327ab       370e08a
  3     3008        ACD      0     DAY       1c3274d       370dfc4
  4     3080        ACD      0     DAY       1c326ef       370defe
  5     3363        ACD      0     DAY       1c32691       370de38
  6     5554        ACD      0     DAY       1c32633       370dd72
  7   Protected ACD pointer Nil
  8     3375        ACD      0     DAY       1c32577       370dcac
  9     5100        ACD      0     DAY       1c32518       370dbe6
 10     4912        ACD      0     DAY       1c324ba       370db20
 11     3359        ACD      0     DAY       1c3245c       370da5a
 12     5574        ACD      0     DAY       1c323fd       370d994
 13     3442        ACD      0     DAY       1c3239f       370d8ce
 14     1601        ACD      0     DAY       1c32341       370d808
 15     5555        ACD      0     DAY       1c322e3       370d742
 16     3205        ACD      0     DAY       1c32285       370d67c
 17     3209        ACD      0     DAY       1c32227       370d5b6
 18     3173        ACD      0     DAY       1c321c9       370d4f0
 19     3114        ACD      0     DAY       1c3216b       370d42a
 20     3176        ACD      0     DAY       1c3210d       370d364
 21   Protected ACD pointer Nil
 22     5000        ACD      0     DAY       1c32051       370d29e
 23     4040        ACD      0     DAY       1c31ff3       370d1d8
 24     4039        ACD      0     DAY       1c31f95       370d112
 25   Protected ACD pointer Nil
 26   Protected ACD pointer Nil
 27     4033        ACD      0     DAY       1c31f37       370d04c
-------------------------------------------------------------------------
value = 0 = 0x0
pdt> osVersion
```

```
OS: Date = Oct  3 2003, Time = 19:03:13, Base = x210300
value = 0 = 0x0
pdt> su
-> 0Xd2
value =210 = 0xd2
-> exit
pdt>
pdt>p 1c12ac2  d2  <----print protected CUSTOMER DATA BLOCK pointer for d2 (210 DECIMAL)

01C12AC2 : 00006B0A 00000000 0000FFFF 00000004 00000000 00000000 00000000 000000
01C12ACA : 00000000 000059E5 00000051 00000000 00000000 0373BD80 00000001 001646
01C12AD2 : 00000002 00000000 00000000 00000000 00000000 00000000 01C330C8 000108
01C12ADA : 00000000 00000000 0000300C 00000080 00000000 00000000 00000000 000000
01C12AE2 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12AEA : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12AF2 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12AFA : 00000000 00000000 00000000 00000000 00000000 00000000 0000001E 000000
01C12B02 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B0A : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B12 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B1A : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B22 : 00000029 0000CFC3 0000C6CE 000000C9 00000000 000000C5 00000000 000000
01C12B2A : 00000000 00000000 00000000 00008201 0000196D 0000007F 0000003F 000F00
01C12B32 : 00002C0F 0000001E 00000000 00000000 00000000 00000000 00000000 00983C
01C12B3A : 00008000 00000643 00000443 00008192 00000200 0000885A 00000AAA 000000
01C12B42 : 0000AAAA 0000FF20 0000FFFF 000001E0 00000000 0000383C 01C31F1A 000000
01C12B4A : 01C3028A 00000000 0000000A 00000000 00000000 00000000 00000000 000000
01C12B52 : 00000000 00006000 00000000 00000000 00000000 00000000 0000080B 000000
01C12B5A : 01C358F3 0000000A 0000AAAA 00000000 01C31C58 00000000 00000000 000000
01C12B62 : 00000000 00000000 00000000 00000100 00000000 00000001 00007800 000000
01C12B6A : 01C12BCC 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B72 : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000
01C12B7A : 00000000 00000000 00000000 00000000 00000000 00000000 0000FFFF 00FFFF
01C12B82 : 0000FFFF 0000FFFF 00000000 00002000 00000000 00000000 00000000 000000
01C12B8A : 00000000 00000000 00000000 00000000 00000000 01C1332D 00000001 000000
01C12B92 : 00000000 0000FFFC  <---corrupted value in this word FFFC hex is 65532 decimal
pdt> w 1c12b92
01C12B92 : 00000000 / <space>
01C12B93 : 0000FFFC /18 <cr> <--changed to 18 hex which is 24 decimal
pdt> sl1input

OVL000
>ld 23
ACD000
MEM AVAIL: (U/P): 25752833    USED U P: 2528482 275993    TOT: 28557308
DISK SPACE NEEDED: 453 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1  (PROJECTED LD43 - BKO)
ACD DNS  AVAIL: 23976    USED:    24    TOT: 24000
REQ  new
TYPE acd
CUST 0
ACDN 4036
MWC
DSAC
MAXP 1
SDNB
BSCW
ISAP
RGAI
ACAA
FRRT
SRRT
NRRT
FROA
NCFW
FNCF
FORC
RTQT
SPCP
```

OBTN
RAO
CWTH
NCWL
BYTH
OVTH
TOFT
HPQ
OCN
OVDN
IFDN
OVBU
EMRT
MURT
RTPC
RAGT
DURT
RSND
FCTH
CRQS
IVR
OBSC
OBPT **<---problem cleared**

MEM AVAIL: (U/P): 25752539 USED U P: 2528680 276089 TOT: 28557308
DISK SPACE NEEDED: 453 KBYTES
2MB BACKUP DISKETTE(S) NEEDED: 1 (PROJECTED LD43 - BKO)
ACD DNS AVAIL: 23975 USED: 25 TOT: 24000

By Allen Russell

CPND NAME REMOVAL WARNING

IF SOMEONE WAS TO LOG INTO THE PBX AND ATTEMPT TO OUT NAMES FOR EXT# 5416, 5580, 5583, 5558 AND THEY TRIED TO DO IT AS SHOWN BELOW IT WOULD ERASE ALL NAMES BETWEEN 5416 AND 5583 AND THE ONLY THING YOU WOULD SEE IS THE WORD **WAIT...**
THE SYSTEM WILL REMOVE EVERY NAME FROM LOW NUMBER TO HIGH NUMBER.

REQ **OUT**
TYPE **NAME**
CUST **0**
DIG
DN **5416 5580 5583 5558**

WAIT...

DN

THE PROPER WAY TO DO THIS AND THE ONLY WAY IS:

REQ **OUT**
TYPE **NAME**
CUST **0**
DIG
DN **5416**
DCNO
DN **5580**
DCNO
DN **5583**
ETC.....

By Allen Russell

HOW TO CHECK A SUPER LOOP NETWORK CARD AND ITS PE CONTROLLERS

THE EXAMPLE BELOW SHOWS LOOP 28 ENABLED BUT BOTH CONTROLLERS 8 AND 9 ARE DOWN

ld 32
NPR000
.stat 28 <--get status of super loop NETWORK card and TALK SLOTS
SUPER LOOP
000 DSBL 000 BUSY <--talk slots that are disabled or busy
.idc 28
XNET VERS => 023
RUNNING FROM **RAM** <--RUNNING FROM **RAM** shows the super loop network card is okay (RUNNING FROM **ROM** means it is DOWN)
FW IS SANE
NNTMENC7MYBR NT8D04BA 09
NPR327 <--this means no response from NETWORK CARD when it tried to get information from the CONTROLLER CARDS (means they are DOWN)
.supl 28 <-- will tell you the CONTROLLER numbers for a super loop
TYPE = XNET
XPE0 = **08** 0 3 <--controller 8 belongs to loop 28
XPE1 = **09** 0 3 <--controller 9 belongs to loop 28
SLOT = LEFT
.xpec 8 <--get status of CONTROLLER card (not a good indicator of actual state of card, DISABLED is down but ENABLED may be down as well)
SEG = 028 028 028 028
LOC = STATUS = ENABLED
.xpec 9 <--get status of CONTROLLER card (not a good indicator of actual state of card, DISABLED is down but ENABLED may be down as well)
SEG = 028 028 028 028
LOC = STATUS = ENABLED
.idcs 8 <--IDC all cards on a CONTROLLER number at one time and shows if they are DOWN
CARD 02 => CARD DOWN
CARD 03 => CARD DOWN
CARD 04 => CARD DOWN
CARD 05 => CARD DOWN
CARD 06 => CARD DOWN
CARD 07 => CARD DOWN
CARD 08 => CARD DOWN
CARD 09 => CARD DOWN
CARD 10 => CARD DOWN
CARD 11 => CARD DOWN
CARD 12 => CARD DOWN
.idcs 9 <--IDC all cards on a CONTROLLER number at one time and shows if they are DOWN
CARD 03 => CARD DOWN
CARD 04 => CARD DOWN
CARD 05 => CARD DOWN
CARD 06 => CARD DOWN
CARD 07 => CARD DOWN
CARD 08 => CARD DOWN
CARD 09 => CARD DOWN
CARD 11 => CARD DOWN
CARD 12 => CARD DOWN
CARD 15 => CARD DOWN
.disl 28 <--disable the super loop network card
SCH6451
  XPE0
CARD02
CARD03
CARD04
CARD05
CARD06
CARD07
CARD08
CARD09
CARD10
CARD11
CARD12
  XPE1
CARD03
CARD04
CARD05
CARD06
CARD07
CARD08
CARD09
CARD11
CARD12
CARD15
.dsxp 8 <--disable the associated CONTROLLER cards
.dsxp 9 <--disable the associated CONTROLLER cards
.xntt 28 <--shows if the NETWORK card can see the CONTROLLER cards
TEST PASSED
XPE0 NOT CONNECTED <--still does not see the controllers
XPE1 NOT CONNECTED <--still does not see the controllers

.idc 8 <--IDC a working super loop to get the XNET and XPEC version numbers
XNET VERS => 023
RUNNING FROM RAM
FW IS SANE
NNTMENC7MYF9 NT8D04BA 09
XPEC0 VERS=> 040
RUNNING FROM RAM
FW IS SANE
XPEC4 NNTMENC7LTAP NT8D01BC 14
XPEC1 VERS=> 040
RUNNING FROM RAM
FW IS SANE
XPEC4 NNTMENC7LTAE NT8D01BC 14

.enll 28 23 <--enable the NETWORK card by putting the LOOP #**28** and the XNET VER #**23** (obtained from IDC 8 above)
forces it to ENABLE and do an SDL (software download)
TEST PASSED
XPE0 NOT CONNECTED <--still does not see the controllers
XPE1 NOT CONNECTED <--still does not see the controllers
OVL021 IDLE SDL100 BUSY
OVL021 IDLE SDL100 BUSY
OVL021 BKGD SDL100 BUSY
SDL000 XNET 28, VERSION 23, MAINT MODE.
XNET HAS RECEIVED ENABLE MSG
PROCESSING TN.... OK
.enxp 8 40 <--enable the CONTROLLER by putting in the XPEC#**8** and the XPEC VER#**40** forces it to ENABLE and do an SDL (software download) if it can.
NPR327 <--did not respond
.enxp 9 40 <--enable the CONTROLLER by putting in the XPEC#**9** and the XPEC VER#**40** forces it to ENABLE and do an SDL (software download) if it can.
NPR327 <--did not respond
.stat 28 0 <--stat LOOP and SHELF will let you know how many TN's are affected
162 UNIT(S) IDLE
000 UNIT(S) BUSY
000 UNIT(S) DSBL
000 UNIT(S) MBSY
.stat 28 1 <--stat LOOP and SHELF will let you know how many TN's are affected
149 UNIT(S) IDLE
000 UNIT(S) BUSY
000 UNIT(S) DSBL
000 UNIT(S) MBSY

So in this example there are 311 TN's that are down.

By Allen Russell

HOW TO CLEAR A CORRUPT PERSIG

(here per sig 8 and 9 are corrupt)

```
>LD 32
NPR000
.stat per 0
ENBL
.stat per 1
ENBL
.stat per 2
ENBL
.stat per 3
ENBL
.stat per 4
ENBL
.stat per 5
ENBL
.stat per 6
ENBL
.stat per 7
ENBL
.stat per 8
DSBL      NOT RESPONDING
.stat per 9
DSBL      NOT RESPONDING
.stat per 10
UNEQ
.stat per 11
UNEQ
.stat per 12
UNEQ
.stat per 13
UNEQ
.stat per 14
UNEQ
.stat per 15
UNEQ

Username: pdt2
Password:

The software and data stored on this system are the property of,
or licensed to, Nortel Networks and are lawfully available only
to authorized users for approved purposes. Unauthorized access
to any software or data on this system is strictly prohibited and
punishable under appropriate laws. If you are not an authorized
user then logout immediately. This system may be monitored for
operational purposes at any time.
SEC0029 Security Warning: This system contains insecure passwords, notify your system administrator
pdt>
pdt> p 8010

00008010 : 04571182
pdt> p 4571182 40
                persig 0                persig 1                persig 2                persig 3
04571182 : 00C0C000 0764DD2E 00C0C200 0764BD73 00C0C400 07649DB8 00C0C600 07647DFD
                persig 4                persig 5                persig 6                persig 7
0457118A : 00C0C800 07645E42 00C0CA00 07643E87 00C0CC00 07641ECC 00C0CE00 0763FF11
                persig 8                persig 9                persig 10               persig 11
04571192 : 00000000 0763DF56 00000000 0763BF9B 00000000 00000000 00000000 00000000
                persig 12               persig 13               persig 14               persig 15
0457119A : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
045711A2 : 00C0C000 00C0C200 00C0C400 00C0C600 00C0C800 00C0CA00 00C0CC00 00C0CE00
045711AA : 00C0D000 00C0D200 00000000 00000000 00000000 00000000 00000000 00000000
045711B2 : 075BCD1B 00000000 00000000 00000000 00000000 00000000 00000000 00000000
045711BA : 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

pdt> w 4571192 <cr>
04571192 : 00000000 / <space>
04571193 : 0763DF56 /0 <space>    <this remove pointer that is corrupting per sig value>
04571194 : 00000000 / <space>
04571195 : 0763BF9B /0    <cr>     <this remove pointer that is corrupting per sig value>
pdt> sl1input

NPR000
.stat per 0
ENBL
.stat per 1
ENBL
.stat per 2
ENBL
.stat per 3
ENBL
.stat per 4
ENBL
.stat per 5
ENBL
.stat per 6
ENBL
.stat per 7
ENBL
.stat per 8
UNEQ
.stat per 9
UNEQ
.stat per 10
UNEQ
.stat per 11
UNEQ
.stat per 12
UNEQ
.
```

By Allen Russell

GETTING HARD DISK ERRORS ON MERIDIAN MAIL AND SYSTEM NOT ABLE TO STAY UP

(RUN VERIFY COMMAND FROM ETAS LEVEL SCSI UTILITY)

Error Date Time Type Severity Node Location, Action, Description

Des: MWIAUDIT VS2: Starting the Audit
91- 5 3/16 07:03 System Inf 1 Null

Des: MWIAUDIT VS2: The Audit is Finished.
66- 3 3/16 07:37 Error ** 1 Null
Act: Refer to DM Disk error checklist.

Des: **Disk 0 > sense key: 3 error code: 17 block: 238705**
11-30 3/16 07:37 Error * 1 Null
Act: Refer to the VS checklist 2

Des: **VS2 Error in vs_RdBlock rc=1415**
60-58 3/16 07:37 Error *** 1 Null

Des: **PRM: Disable of SYSTEM Commencing**
24-13 3/16 07:37 Error * 1 0-1-2-1-1

Des: **V:Block Read Err:.2.2063.1437 1415 0002**
60-99 3/16 07:37 Debug Inf 1 Null

Des: Program Completed: VCM ArgStr= 16 Node= 1 ProgId= 7E00 0000 067B 5B08
34-97 3/16 07:40 Error * 1 0-1-2-1-1

Logon/Status

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Enter the password (it will not be displayed) > **NORTELCTS1009**
Cancel

ETAS LEVEL PASSWORDS
(rls 10) NORTELCTS1009
(rls 11) mm11n0rtelcts
(rls 12) ctsgrpmm12
(rls 13) nnetworks13cts

Enter ADMIN level password: **<WHATEVER ADMIN PASSWORD IS>**

Special Tools Package
ETAS Level Access

1	Change password	- Change ETAS/RSC/Admin pwd
2	ad_util	- Administration Utility
3	burp	- Backup & Restore Program
4	om_util	- Operational Measurements
5	se_util	- SEER Utility
6	md	- MISA File Utility
7	ci	- Helix Command Interpreter
8	md_dr	- Corporate Directory Tool

```
 9   md_ma                - Hardware Maintenance
10   prm_control          - Program Management
11   vsmup                - VS / MI_SERVER Tool
12   vx_pkg               - Voice Prompt Information
13   other                - More ETAS Utilities
```

Select an item >**13**

```
   Logoff          Redraw          Help          Release
                                                 Version
                    Special Tools Package
                       ETAS Level Access

 1   rsm_utils        - RSM Maintenance Utility
 2   scsi_util        - SCSI Utility (Disk/Tape)
 3   disk sync        - Disk Shadowing Maintenance
 4   ocs_util         - Outcalling Server Utility
 5   md_cm              - MISA Cabinet Utility
 6   md_mt              - Message Transfer Utility
 7   is_patch          - Database Synch Utility
 8   vsp_util         - Voice Services Utility
```

Select an item > **2** **<THIS LOADS THE SCSI UTILITY>**

```
                    Special Tools Package
                       ETAS Level Access

 1   rsm_utils        - RSM Maintenance Utility
 2   scsi_util        - SCSI Utility (Disk/Tape)
 3   disk sync        - Disk Shadowing Maintenance
 4   ocs_util         - Outcalling Server Utility
 5   md_cm              - MISA Cabinet Utility
 6   md_mt              - Message Transfer Utility
 7   is_patch          - Database Synch Utility
 8   vsp_util         - Voice Services Utility
```

Type node number (1 if single node) **1**

Exit

Cntl-W **<THIS BRINGS UP THE COBRA WINDOW SO YOU ARROW DOWN TO SCSI1>**

```
                    Special Tools Package
                  + CobraVT        3/6      Loc   Stat    +
                  | CONSOLE                    1     W       |
 1   rsm_utils    |>MMI                        7     R       |
 2   scsi_util    | SCSI1                      3     RW      |
 3   disk sync     ++
 4   ocs_util          - Outcalling Server Utility
 5   md_cm               - MISA Cabinet Utility
 6   md_mt               - Message Transfer Utility
 7   is_patch           - Database Synch Utility
 8   vsp_util          - Voice Services Utility
```

Select an item >

Exit

```
                    Special Tools Package
                  + CobraVT        3/6      Loc   Stat    +
                  | CONSOLE                    1     W       |
 1   rsm_utils    | MMI                        7     R       |
 2   scsi_util    |>SCSI1                      3     RW      |
 3   disk sync     ++
```

4 ocs_util - Outcalling Server Utility
5 md_cm - MISA Cabinet Utility
6 md_mt - Message Transfer Utility
7 is_patch - Database Synch Utility
8 vsp_util - Voice Services Utility

Select an item >
Exit
<NOW YOU ARE IN THE SCSI SHELL>

>SCSI ON

>SELECT 0
vendor: SEAGATE
product: ST51080N
revision: 0943
>SIZE
2109840
>VERIFY
First block? 0
Last block? 2109839
Continue after error? **Yes** **<USE UP AND DOWN ARROW TO TOGGLE YES/NO>**
device 0> sense key: 3 error code: 17 block: 238705 **<BAD BLOCK NUMBER>**

>
>REASSIGN 238705 **<THIS REASSIGNS THE BAD BLOCK TO DIFFERENT SPOT ON HARD DRIVE>**
>VERIFY <REPEAT RUNNING THE VERIFY COMMAND UNTIL THERE ARE NO ERRORS THEN REBOOT MAIL>
First block? 0
Last block? 2109839
Continue after error? **No**
>
> **<NO ERRORS>**

<CNTL BTB> KILL 2 <THIS REBOOTS THE MAIL SYSTEM>

****AND AS YOU SEE BELOW THE SYSTEM BOOTED UP INTO SERVICE****
>
>xxxxxxxxxxxxxxx~xx[[HZ+``x~`fxo|Console Baud Rate: 9600 Baud.

Waiting for timer ...
Timer C tick OK.
Utility Card Check OK.

Enabling Instruction Cache.
No modem present on utility card.
Verifying DRAM from 0x04020000 to 0x04FFFFFF.

****
* NT6P97AA Firmware *
* MMP40FW Rev 1.5 *
* June 27th, 1995 *
****

Physical Memory: 0x01000000 bytes.
Hardware Id: 0x1F830082.
Processor: MC68040 @ 24 MHz.
Prime Node.

1] Checksum tests .....
1) 1st PROM
2) 2nd PROM
3) 3rd PROM

    4) 4th PROM
2] DRAM tests .....
    1) 5 Long words
    2) Page walk
    3) Burst read
    4) Test and Set
    5) Compare and Set
    6) Parity Error
    7) Bus Error
3] 68302 registers tests ..
    1) Registers
4] 68302 DPSRAM tests .....
    1) Byte read-write
    2) Word read-write
    3) Long word r-w
    4) Incr LWord r-w
    5) 5 Long words
5] Serial ports Loc Lbk ...
    1) Port 1
    2) Port 2
6] CPU self tests .....
    1) Selftest
7] MMU tests .....
    1) Registers
8] BTGA tests .....
    1) Exist
    2) Registers
    3) Memory
    4) CRC
    5) LoopBack
9] SCSI controller tests ..
    1) Registers
    2) SCSI FIFO
    3) DMA FIFO
    4) DMA Move
    5) Burst mode
10] Interrupt cntrl tests ..
    1) Received
    2) Priority
11] Timer tests. .....
    1) Timer A
    2) Timer B
    3) Timer C
    4) Timer D
12] NVRAM tests .....
    1) Read-Write
13] 68302 SRAM tests .....
    1) Byte read-write
    2) Word read-write
    3) Long word r-w
    4) Incr LWord r-w
    5) 5 Long words
14] 68302 SDMA tests .....
    1) Port 1
    2) Port 2
PASSED: 1

Proceeding with Automatic Boot Sequence ...

Performing SCSI Bus Reset...OK.

Sending inquiry to scsi id 0.
Sending inquiry to scsi id 1.
Sending inquiry to scsi id 2.
CONSOLE inquiry to scsi id 3.

Sending inquiry to scsi id 4.
Sending inquiry to scsi id 5.

Attempting SCSI LOAD command on device id 1.
Request sense key = 2.
Cannot START scsi id 1.

SCSI Devices:

Device Type	Vendor	Product	Rev.	SCSI ID
Diskdrive	SEAGATE	ST51080N	0943	0
Tapedrive	TANDBERG	TDC 4200	=07:	1

SCSI initialization complete.

Request sense key = 2.
Tape device 1 not ready.
Unable to find MMP40 OS file on tape: SCSI Device 1.

MMOS 3040 header found on disk.

Loading from Disk Device/Index - 0/0
Reading num_of_blocks = 1832
Invoking all cleanup procs

Meridian Mail Kernel Startup
Doing MMP OS CheckSum Test from 04041000 to 04125000
Calculated CheckSum E1EB8354
OS Header CheckSum E1EB8354
Hardware ID from BootRom Trap : 1F830082
SystemCI MultiNode
CPU_68040 16Meg
Identity : DiskOS Boot From DISK
MMail Node
HP062394 for MMP40:Fri Jun 7 22:47:37 1996:MN_MMP-REL:10.10.0:
Meridian Mail Kernel MMU Running
Kernel DEBUGGER
STANDARD Kernel
Loading MONITOR ...
MONITOR successfully loaded.
Loading OSP ...
OSP successfully loaded.
XKERNEL : MMP GoToUser
Meridian Mail NameServer
MM NameServer running
BCINT: OurNode = "7E000000"
dm: disk 0

Meridian Mail OS starting...
:BOOT100:AREA:MVDEBUG.AREA
Enter CI to Load CI Only (5 sec)
Loading PRM
Program Resource Manager [Arg=""] Node 1 Ver. MM10
PRM(Info): Using software volume :BOOT100:
PRM: No shadow disk found on prime node rc -2
BCInt(1): Setting up the B.C
PRM: Waiting for Seer Server to register
PRM SetMMBlock: DoShutMM set to TRUE 0
PRM InitSystem: MaxProgs calculated to be 56
PRM Audit: Audit task is up
PRM InitSystem: starting VS node 1 prog 0 sibling -1
PRM: Setting up polling memory
PRM : OS Version - HP062394 for MMP40:Fri Jun 7 22:47:37 1996:MN_MMP-REL:10.10.
PRM Running startup diagnostics
PRM: Loaded - Overlay RSM_HDLR node 1 prog 3 sibling -1 LoadId 1

AML: Debug task started.
PRM: Loaded - Overlay AML_IMP node 1 prog 5 sibling -1 LoadId 2
Running Startup Diagnostics.
PRM: Loaded - Overlay VOM_PP node 1 prog 6 sibling -1 LoadId 3
PRM: Loaded - Overlay RBD_OVL node 1 prog 8 sibling -1 LoadId 4

By Allen Russell

SSH KEYS MISSING ON BOTH ACTIVE AND INACTIVE CORES ON CS1000E

CANNOT LOG INTO CS1K 7.50 WITH ANY PASSWORDS EXCEPT THE DEFAULT ADMIN/0000 ADMIN2/0000
CANNOT REGISTER WITH SECURITY DOMAIN FROM LD 117

>ld 117
OAM000

=>ssh key show
PRIMARY_CS(10.100.36.220)
SSH Keys are not available. ←NO SSH KEY

=> ssh key generate active
SSH Key Generation started. ←CANNOT GENERATE NEW KEY. SHOWS IT STARTS BUT NO KEY

=> ssh key show
PRIMARY_CS(10.100.36.220)
SSH Keys are not available. ←STILL NO SSH KEY

=>ssh key show inactive
SSH Key Show message sent.
SECONDARY_CS(10.100.36.221)
SSH KEY (STDBY) is not available ←NO SSH KEY ON INACTIVE CORE

=>reg ucm cs
IP address of the Primary Security Server: 10.100.36.214
The authenticity of host 10.100.36.214 can't be established.
Remote host fingerprint is: 81:FB:B3:AB:6D:4C:CA:CE:2B:F6:CC:55:2C:5B:50:B6
Are you sure you want to continue connecting? (Y/N)y

User Name (UCM): admin
Password (admin): (admin password)

SEC121 Unable to retrieve host SSH key ←CANNOT REGISTER WITH UCM
=>
SEC098 This element has failed to request membership in the security domain
=>
<çntl>pdt

pdt> tt tmocSshMn
Task not found. ←TASK NOT RUNNING
pdt> SSHS_launch(0, 0, 0, 0, 0, 0, NULL) ←STARTED TASK IN PDT
value = 0 = 0x0
pdt>
pdt> tt tmocSshMn
223e2ca vxTaskEntry +a : threadStart (&SSHS_main, 0, 0, 0, 0, 0, 0, 0, 0, 0)
212f25e threadStart +e : 1a8228d ([0, 0, 223e2cc, &SSHS_main, 0])
1a82495 SSHS_main +235: SSH_startServer ([0, 1ed68d78, 212f260, 0, 0])
210e413 SSH_startServer+3 : 25d769e0 ([1ed68d6c, 1a8249a, 0, 1ed68d78, 212f260]) ←TASK RUNNING
25d76a7c UIPE_CC$CC_I_SETUP_CNF$AOC_CHECK_DURC+159f0: VXWORKS_TCP_acceptSocket (1ed68d54, 78, &mBreakServer)
212f892 VXWORKS_TCP_acceptSocket+92 : noSemQPutEvt (800, 207beae8, 0, 0, 1ed68d1c)
pdt>
pdt> smCreateDefaultFilesAndData ←SET FILES TO DEFAULT
SEC059 SM: Decomissioning the data files.
SEC056 SM: A default system password storage has been created.
value = 0 = 0x0
pdt>

pdt>sl1input
=>ssh key generate active ←REGENERATE SSH KEYS
SSH Key Generation started.

=> ssh key show
PRIMARY_CS(10.100.36.220)
SSH KEY (ENBL): CF:7E:52:4B:98:FE:AC:D4:D8:0E:72:89:26:03:E5:85 ←KEYS REGENERATED

=>ssh key show inactive
SSH Key Show message sent.
SECONDARY_CS(10.100.36.221)
SSH KEY (STDBY) is not available

=>reg ucm cs
IP address of the Primary Security Server: 10.100.36.214
The authenticity of host 10.100.36.214 can't be established.
Remote host fingerprint is: 81:FB:B3:AB:6D:4C:CA:CE:2B:F6:CC:55:2C:5B:50:B6
Are you sure you want to continue connecting? (Y/N)y

User Name (UCM): admin
Password (admin): (admin password)

SEC121 Unable to retrieve host SSH key ←STILL WOULD NOT REGISTER WITH INACTIVE CORE KEYLESS
=>
SEC098 This element has failed to request membership in the security domain

******PUTTY INTO INACTIVE CORE AND ISSUE: ******

pdt> smCreateDefaultFilesAndData
SEC059 SM: Decomissioning the data files.
SEC056 SM: A default system password storage has been created.
value = 0 = 0x0
pdt>

******THEN FROM ACTIVE CORE:******
=> ssh key generate inactive
SSH Key Generation message sent.
=> ssh key show inactive
SSH Key Show message sent.
SECONDARY_CS(10.100.36.221)
SSH KEY (STDBY): 1B:C5:25:BD:F0:F7:89:CC:CD:73:19:F9:86:04:7F:EE ←KEYS REGENERATED

=> reg ucm cs
IP address of the Primary Security Server: 10.100.36.214
The authenticity of host 10.100.36.214 can't be established.
Remote host fingerprint is: 81:FB:B3:AB:6D:4C:CA:CE:2B:F6:CC:55:2C:5B:50:B6
Are you sure you want to continue connecting? (Y/N)y

User Name (UCM): admin
Password (admin): (admin password)

10.100.36.214 (RSA) permanently added to the Authorized key file

SEC037 Security domain membership has been granted. (Centralized authentication is now enabled.)

SEC097 This element has successfully requested membership in the security domain

By Allen Russell