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NN      NN  WW   WW   AAAAAA  DDDDDDDD  EEEEEEEEE  FFFFFFFF
NN      NN  WW   WW   AAAAAA  DDDDDDDD  EEEEEEEEE  FFFFFFFF
NN      NN  WW   WW   AA      AA  DD      DD  EE      FF
NN      NN  WW   WW   AA      AA  DD      DD  EE      FF
NNNN    NN  WW   WW   AA      AA  DD      DD  EE      FF
NNNN    NN  WW   WW   AA      AA  DD      DD  EE      FF
NN  NN  NN  WW   WW   AA      AA  DD      DD  EEEEEEE  FFFFFFFF
NN  NN  NN  WW   WW   AA      AA  DD      DD  EEEEEEE  FFFFFFFF
NN      NNNN WW  WW  WW  AAAAAA  DD      DD  EE      FF
NN      NNNN WW  WW  WW  AAAAAA  DD      DD  EE      FF
NN      NN  WWW  WWW  AA      AA  DD      DD  EE      FF
NN      NN  WWW  WWW  AA      AA  DD      DD  EE      FF
NN      NN  WW   WW   AA      AA  DDDDDDD  EEEEEEE  FF
NN      NN  WW   WW   AA      AA  DDDDDDD  EEEEEEE  FF

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MM      MM  DDDDDDD  LL
MM      MM  DDDDDDD  LL
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MMMM    MM  DD      DD  LL
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: \$BEGIN NWADEF,008

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++ Facility: RMS

Abstract:

This module defines the Network Work Area control block.

Environment:

The MDL translator must be used to convert NWADEF.MDL into NWADEF.MAR (and NWADEF.B32).

Author: James A. Krycka, Creation Date: 03-OCT-1978

Modified By:

- V03-008 JAK0146 J A Krycka 27-Jun-1984
Minor cleanup and update comments.
- V03-007 JAK0145 J A Krycka 12-APR-1984
Track changes in DAP message building algorithm: rename NWA\$Q_XMT to NWA\$Q_BLD, rename NWA\$Q_AUX to NWA\$Q_XMT, and remove NWA\$L_AUX_PTR.
- V03-006 JAK0138 J A Krycka 28-MAR-1984
Delete NWA\$L_BYTCNT and NWA\$L_BYTLM as NT\$EXCH_CNF no longer issues a \$GETJPI system service call to get this information.

V03-005 RAS0253 Ron Schaefer 15-Feb-1984
Change logical name translation fields to use \$TRNLNM, not
\$TRNLOG. Searchlists are NOT supported for logical node names.

V03-004 JAK0119 J A Krycka 16-JUL-1983
Define NWA\$W_JNLXABJOP.

V03-003 JAK0104 J A Krycka 22-APR-1983
Define NWA\$Q_BIGBUF.
Define NWA\$L_BYTCNT and NWA\$L_BYTLM.

V03-002 KRM0093 K Malik 18-Mar-1983
Remove NWA\$V_DAP_STM and add NWA\$B_RFM.

V03-001 KRM0051 K Malik 10-Aug-1982
NWA\$B_UNDERLINE moved to FWA (FWA\$B_UNDER NOD).
NWA\$T_QUOTEDBUF moved to FWA (FWA\$T_QUOTEDBUF).
Reduce size of NWA\$T_NODEBUF (and create FWA\$T_NODEBUF).
Define NWA\$B_NODBUFSIZ.
Remove 66 of 78 spare longwords to reduce total size by a page.

```

:++
: $NWADEF - Network Work Area definitions.
:
: The Network Work Area contains the DAP control block, storage for network
: related variables, scratch buffers used for filespec string parsing (RMOXPFN),
: and logical link transmit and receive buffers.
:
: IFBSL NWA PTR points to it. The NWA is allocated by RMOXPFN (which calls
: NTONWASET) when a nodename is detected and it is deallocated by RMSOCLOSE
: (which calls NTONWASET) when the IFAB is deallocated.
:--

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\$STRUCT NWA

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F DAP,T,192      : DAP control block
                  : Its symbols are defined by $DAPDEF
C DAPSIZ,192    : DAP control block size
S FLG,0,Q       : Map NWA$Q_FLG over DAP$Q_FLG
                  : Bits 00-31 are defined by NWA
                  : Bits 32-63 are defined by DAP
V <
  LAST_MSG      : Define NWA flags:
                  : Declare this last DAP message in the sequence
                  : to be blocked; i.e., transmit blocked DAP
                  : messages in AUX buffer followed by this one
                  : (input to NT$TRANSMIT)
  FLUSH_BUF     : Flush AUX buffer; i.e., transmit blocked DAP
                  : messages in AUX buffer only--no new message
                  : (input to NT$TRANSMIT)
  NODECODE      : Obtain next DAP message but omit parsing it
                  : (input to NT$RECEIVE)
  RCVQIO        : Special receive QIO posted
  RCVAST        : Special receive AST delivered
  RCVSTALL      : Resume execution (thread) after stall
                  : (input to NT$STALLAST)
  CVT_STM       : File format is converted to stream on create
  RAC_FLG       : First-time-thru flag for NT$CHK_RAC
  UPDATE        : Current operation is an $UPDATE
  7
  DEVTRM        : Remote device is a terminal
  DEVCHAR       : FAL has returned real device characteristics
                  : via DEV field in DAP Attributes message
  FOP_FLK       : FAL has returned FLK (file locked) attribute
                  : in DAP Attributes message
  DEVMBX        : Remote device is a mailbox
  4
  FTM           : File transfer mode in effect
                  : (currently unused--IFBSV_SQD is used instead)
  FTM_INIT      : File transfer mode initial CTL msg required
  FTM_RETRV     : File transfer mode retrieval ($GET or $READ)
  FTM_STORE     : File transfer mode storage ($PUT or $WRITE)
  ERROR         : FAL has returned error on previous operation
                  : (currently unused)
  FTM_EOF       : FAL has returned EOF while engaged in
                  : file transfer mode retrieval ($GET or $READ)
  FTM_CONT      : DAP Continue Transfer message required to
                  : restart DAP message stream from partner

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S SAVE_FLGS,8,L      ; Temporary save area for flags
F LNODE,Q           ; Logical (node) name descriptor used by
                   ; RMONAMSTR
F NODBUFSIZ,B       ; Size of NODEBUF
F NODEBUF,T,6       ; Nodename (sans delimiters, access ctrl string,
                   ; or underscores) - used by NT$CRC_LOGERR
F NETSTRSIZ,B       ; # bytes in /netacp_string (if present)
F BIGBUF,Q          ; Big DAP buffer area descriptor
F ,L,10            ; Spare
M ↑
F RCVBUF,T,544      ; Receive buffer
F XMTBUF,T,544      ; Transmit buffer
F AUXBUF,T,544      ; Auxiliary transmit buffer
C BUFFER_SIZ,544    ; Receive, transmit, and auxiliary buffer size
L BLN              ; ***** offset = ^X800 = 2048
P 1

; The following space is available for use until
; DAP message exchange begins:
F ,L,24            ; Position to next page
                   ; ***** offset = ^X200 = 512
F ITM_LST,T,40      ; $TRNLNM item list
S ITM_ATTR,0,T      ; translation attributes
S ITM_STRING,12,T   ; translation string
S ITM_MAXINDX,24,T  ; max translations
S ITM_END,36,T      ; end-of-list marker
F XLTCNT,L          ; Logical (node) name translation counter
F XLTBUF_FLG,L      ; Translation buffer in use flag
                   ; (0 means XLTBUF2 in use; -1 means XLTBUF1)
F XLTSIZ,L          ; Size of equivalence string
F XLTMAXINDX,L      ; max translation index
F XLTATTR,L         ; translation attributes
F LOGNAME,Q         ; Logical (node) name descriptor
F ACS,Q             ; Access control string descriptor
F XLTBUF1,Q         ; Primary translation buffer descriptor
F XLTBUF2,Q         ; Secondary translation buffer descriptor
F INODE,Q           ; Intermediate node spec descriptor used by
                   ; RMOXPFN (in NODE_SPEC_LIST)
F NCB,Q            ; Network connect block buffer descriptor
F ACSBUF,T,64       ; Access control string buffer
C MAXACS,44         ; Maximum access control string size
F XLTBUF1,T,256     ; Primary translation buffer
F XLTBUF2,T,256     ; Secondary translation buffer
C XLTBUFSIZ,255     ; Translation buffer size
F INODEBUF,T,128    ; Intermediate node spec buffer
C INODESIZ,128      ; Intermediate node spec buffer size
F NCBBUF,T,128     ; Network connect block buffer
F ,L,21            ; pad to page boundary
                   ; ***** offset = ^X600 = 1536
E

; End of module

```

A grid of 10 columns and 10 rows of small, faint text-based panels. Each panel appears to be a technical document or code snippet. Several panels contain larger, bolded text labels:

- Row 2, Column 2: RMSFILSTR SOL
- Row 3, Column 7: RMSINTSTR SOL
- Row 3, Column 8: RMSUSR SOL
- Row 4, Column 2: NWDEF MDL
- Row 4, Column 3: RMSFWDEF SOL
- Row 6, Column 8: RMSSHR SOL

The remaining panels contain dense, illegible text, likely representing various system files or code modules.