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' ***** FAM - Family File Record Formats *****
TYPE NameFileHDR      ' FF1HDR
  FTYPE   AS STRING * 1 ' "N" for "Name File
  REVLVL  AS INTEGER    ' Revision Level for File Definition: x'0000'
                        ' = x'0001' if support for Long Place Names
  MAXID   AS INTEGER    ' Number of Name Records in File
  REORGY  AS INTEGER
  REORGMD AS INTEGER
  REORGTM AS INTEGER
  UPDTY   AS INTEGER
  UPDTMD  AS INTEGER
  CHGDTY  AS INTEGER
  CHGDTMD AS INTEGER
  CHGCNT1 AS INTEGER    ' Name Records Changed since last Reset
  CHGCNT2 AS INTEGER    ' Extended Name Records Changed since last Reset
'   F1HDRFILL AS STRING * 77
END TYPE

TYPE NameRecordFILLER  ' FF1FillRec
  FILLER  AS STRING * 3
  FAMPTR  AS STRING * 10
  OTHRPTR AS STRING * 24
  NRDATA  AS STRING * 63
END TYPE

TYPE NameRecord        ' FF1REC
  RTYPE   AS STRING * 1 ' x'01'
  ' 36 Bytes of pointers and switches
  RID     AS INTEGER
  FID     AS INTEGER
  MID     AS INTEGER
  OLDCH   AS INTEGER
  FCH     AS INTEGER
  MCH     AS INTEGER
  BLOC    AS INTEGER
  SPOUSE  AS INTEGER
  ADOPT   AS INTEGER
  ADRS    AS INTEGER
  COM     AS INTEGER
  EDUC    AS INTEGER
  WORK    AS INTEGER
  MIL     AS INTEGER
  HLTH    AS INTEGER
  EVENT   AS INTEGER
  STATUS  AS STRING * 1
  '       .....01 FID Status *
  '       .....10 FID Status ?
  '       ....01.. MID Status *
  '       ....10.. MID Status ?
  '       ..01.... BD Status ?
  '       ..10.... BD Status !
  '       01..... DD Status ?
  '       10..... DD Status !
  STATUS2 AS STRING * 1
  '       1..... Surname Use=Y
  '       .1..... Name Record Change BIT
  '       ..1..... Extended Record Change BIT
  '       .....01 Anc Interest Lvl 1
  '       .....10 Anc Interest Lvl 2
  '       .....11 Anc Interest Lvl 3
  '       ....01.. Des Interest Lvl 1
  '       ....10.. Des Interest Lvl 2
  '       ....11.. Des Interest Lvl 3
  UNUSED  AS STRING * 2
  ' Here Begins the Data on the Individual
  SEX     AS STRING * 1
  BY      AS INTEGER
  BMD     AS INTEGER ' MM*100 + DD
  BTM     AS INTEGER ' HH*100 + MM
  DY      AS INTEGER
  DMD     AS INTEGER ' MM*100 + DD
  DTM     AS INTEGER ' HH*100 + DD

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        SURNM   AS STRING * 20
        GIVEN   AS STRING * 30
END TYPE

TYPE AddrFileHDR
    FTYPE   AS STRING * 1   ' FF2HDR - 19 Bytes of Prefix, 89 or 133 Suffix
    REVLVL  AS INTEGER      ' "A" for "A"address file
    HIREC   AS INTEGER      ' 0=Short Address, 1=Long Address
    REORGY  AS INTEGER
    REORGMD AS INTEGER
    REORGTM AS INTEGER
    UPDTY   AS INTEGER
    UPDTMD  AS INTEGER
    FREEBGN AS INTEGER
    FREECNT AS INTEGER
    'HDRFILL AS STRING * NNN ' NNN=89 Short Format, =133 Long Format
END TYPE

TYPE AddrPNTRS
    RTYPE   AS STRING * 1   ' 19 Bytes of Prefix
    RNO     AS INTEGER      ' x'02'
    SRTYPE  AS STRING * 1
    SRNO    AS INTEGER
    NXT     AS INTEGER
    COM     AS INTEGER
    D1Y     AS INTEGER
    D1MD    AS INTEGER
    D2Y     AS INTEGER
    D2MD    AS INTEGER
END TYPE

TYPE AddrRECORD1
    'PNTRS   AS AddrPNTRS      ' FF2SREC - Format 1 - Short - 108 Bytes
    FON1    AS INTEGER
    FON2    AS INTEGER
    FON3    AS INTEGER
    LINE1   AS STRING * 30
    LINE2   AS STRING * 30
    CITY    AS STRING * 15
    STATE   AS STRING * 4
    ZIP     AS STRING * 5
END TYPE

TYPE AddrRECORD2
    'PNTRS   AS AddrPNTRS      ' FF2LREC - Format 2 - Long - 152 Bytes
    PHONE   AS STRING * 14
    LINE1   AS STRING * 30
    LINE2   AS STRING * 30
    CITY    AS STRING * 20
    STATE   AS STRING * 12
    ZIP     AS STRING * 12
    COUNTRY AS STRING * 16
END TYPE

TYPE OthrFileHDR
    FTYPE   AS STRING * 1   ' FF3HDR - 19 Bytes (+31 Bytes FILLER)
    REVLVL  AS INTEGER      ' "M" for "M"iscellaneous Information
    HIREC   AS INTEGER      ' Revision Level for File Definition
    REORGY  AS INTEGER
    REORGMD AS INTEGER
    REORGTM AS INTEGER
    UPDTY   AS INTEGER
    UPDTMD  AS INTEGER
    FREEBGN AS INTEGER
    FREECNT AS INTEGER
END TYPE

TYPE OthrFileRecPFX
    ' FF3REC Prefix - 3 Bytes      (FF3PFX)
    RTYPE   AS STRING * 1
    RNO     AS INTEGER
END TYPE

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TYPE OthrFamilyREC          ' FF3SPOUSE Record - 3+23+24 Bytes
    'PFX      AS STRING * 3    ' RTYPE=CHR$(3)
    SRTYPE    AS STRING * 1
    SP1ID     AS INTEGER
    SP1NXT    AS INTEGER
    LOC       AS INTEGER      ' First Address Record
    COM       AS INTEGER      ' First Comment Record
    D1Y       AS INTEGER      ' Marriage Date
    D1MD      AS INTEGER
    D2Y       AS INTEGER      ' End of Marriage Date
    D2MD      AS INTEGER
    MLOC      AS INTEGER      ' Place of Marriage/Divorce
    SP2ID     AS INTEGER
    SP2NXT    AS INTEGER
    STATUS1   AS STRING * 12
    STATUS2   AS STRING * 12
END TYPE

TYPE OthrPlaceREC          ' FF3PLACE - 3+3+44
    'PFX      AS STRING * 3    ' RTYPE=CHR$(4)
    SRTYPE    AS STRING * 1
    SRNO      AS INTEGER
    PLACE1    AS STRING * 22
    PLACE2    AS STRING * 22
END TYPE

TYPE LongPlaceNameREC      ' FF3PLACE2
    'PFX      AS STRING * 3    ' RTYPE=CHR$(12)
    SRTYPE    AS STRING * 1
    SRNO      AS INTEGER
    PNEXT     AS INTEGER      ' paired place name record
    PTYPE     AS STRING * 1    ' X'01'=Birth, x'02'=Death, x'03'=Marriage, x'04'=Divorce
    PLACE     AS STRING * 41
END TYPE

TYPE OthrCommentREC        ' FF3COMMENT - 3+9+38 Bytes
    'PFX      AS STRING * 3    ' RTYPE=CHR$(5)
    SRTYPE    AS STRING * 1
    SRNO      AS INTEGER
    FPTR      AS INTEGER
    BPTR      AS INTEGER
    CCNT      AS INTEGER
    TEXT      AS STRING * 38
END TYPE

TYPE OthrEventREC          ' FF3EVENT - 47 Bytes
    'PFX      AS STRING * 3    ' RTYPE=CHR$(6)
    SRTYPE    AS STRING * 1
    SRNO      AS INTEGER
    NXT       AS INTEGER
    SRC       AS INTEGER      ' Source Record Number
    COM       AS INTEGER
    SRCNXT    AS INTEGER      ' Next Reference Same Source
    IMPORT    AS STRING * 1    ' Importance Level - CHR$(1-255)
    D1Y       AS INTEGER
    D1MD      AS INTEGER
    DSTAT     AS STRING * 1    ' Date Status Character
    CODE      AS STRING * 8    ' Event ID Code
    PLACE     AS STRING * 22
END TYPE

TYPE OthrFileRecPNTRS      ' FF3PNTRS - Other Info Pointers - 17 Bytes
    'PFX      AS STRING * 3
    SRTYPE    AS STRING * 1
    SRNO      AS INTEGER
    NXT       AS INTEGER
    LOC       AS INTEGER      ' First Address Record
    COM       AS INTEGER      ' First Comment Record
    D1Y       AS INTEGER      ' Begin Date
    D1MD      AS INTEGER
    D2Y       AS INTEGER      ' End Date

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        D2MD      AS INTEGER
END TYPE
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TYPE OthrEducDATA      ' FF3EDUC - 30 Bytes
    EDLEV   AS STRING * 8      ' RTYPE=CHR$(7)
    EDSUB1  AS STRING * 9
    EDSUB2  AS STRING * 9
    EDDEG   AS STRING * 4
END TYPE
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TYPE OthrWorkDATA      ' FF3WORK - 30 Bytes
    WORKTP  AS STRING * 30     ' RTYPE=CHR$(8)
END TYPE
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TYPE OthrMilitaryDATA  ' FF3MIL  - 30 Bytes
    MILRANK AS STRING * 22     ' RTYPE=CHR$(9)
    MILSTAT AS STRING * 8
END TYPE
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TYPE OthrHealthDATA    ' FF3HEALTH - 30 Bytes
    HLTHDIAG AS STRING * 22    ' RTYPE=CHR$(10)
    HLTHSTAT AS STRING * 8
END TYPE
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' ***** NDX - Index File Definition *****
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TYPE NDXFileHDR      ' 14 Bytes
    FTYPE   AS STRING * 1      ' "X"
    HS      AS STRING * 1      ' CHR$(14+2*SFCNT-128*HUSBSURNM)
    REORGY  AS INTEGER
    REORGMD AS INTEGER
    REORGTM AS INTEGER
    UPDTY   AS INTEGER
    UPDTMD  AS INTEGER
    NDXRECS AS INTEGER
    'SORTFLDS AS STRING * 8
END TYPE
```