Advanced Menu Routines

This document describes the following sub-routines that interface to the Advanced Menu handler within GX:

- Set Advanced Menu Header (AMHDR\$)
- Display Advanced Menu Page (AMPAG\$)
- Advanced Menu Accept (AMACC\$)
- Get Advanced Menu Sequence (AMSEQ\$)
- Clear Advanced Menu (AMCLR\$)
- Get Advanced Menu Colour Profile Index (AMCOL\$)

All the following routines are within the DF\$001 DLM in the P.\$DFDLM library. This library must be linked in explicitly using the LNK option in the \$SDL32 dialogue. For example:

```
$A3 COMPILATION OPTION: LNK
$A3 LNK> LOAD-MODULE ID: P.$DFDLM UNIT: $DP
$A3 LNK> LOAD-MODULE ID: <CR>
```

Note that an entry for the DLM library P.\$DFDLM must be present in the \$\$DLM Index File on \$\$D.

1. AMHDR\$ Set Advanced Menu Header

The Set Advanced Menu Header function supplies information that is applicable across the entire menu display.

1.1 Invocation

To set the Advanced Menu Header code:

```
CALL AMHDR$ USING MO
```

where M0 is a control block of the following format:

```
01
                                    * AMHDR$ CONTROL BLOCK
  02 MOVERS
                  PIC 9(4) COMP
                                    * BLOCK VERSION NUMBER
                  VALUE 2
                                    * MUST CONTAIN 2, 3 OR 4
  02 MOSTYLE
                  PIC 9(4) COMP
                                    * MENU DISPLAY STYLE
                                    * MENU FLAGS
     M0FLAGS
                  PIC 9(4) COMP
  02
  02
     M0FKEYS
                  PIC 9(2) COMP
                                    * VALUE FUNCTION KEYS
                 PIC 9(4) COMP
                                    * ACCEPT TIMEOUT
  02
     MOTOUT
                                    * LENGTH OF TITLE TEXT
                 PIC 9(4) COMP
  02
     MOTXTL
  02 MOTXTP
                                    * POINTER TO TITLE TEXT
                  PIC PTR
     MOHELP
                  PIC 9(2) COMP
                                    * HELP AVAILABLE FLAG
                                    * 0 = NO HELP
                                    * 1 = HELP AVAILABLE
  02
     M0HLPFI
                                    * HELP FILE NAME
                  PIC X(2)
                                    * HELP INDEX
  02
     MOHLPIN
                  PIC X(12)
                                    * MENU FILE NAME (NOTIONAL)
     MOMFNAM
                  PIC X(8)
                  PIC X(3)
                                    * MENU FILE UNIT (NOTIONAL)
 02
     M0MFUNI
     M0IC1 OCCURS 26
                                    * DEFAULT ICON
                                    * LINE TYPE LETTER (A TO Z)
  03 MOIC1T
                 PIC X
  03 M0IC1I
                  PIC 9(4) COMP
                                    * ICON INDEX FOR THAT LETTER
                                    * DEFAULT SHORTCUT ICON
  02
     M0IC2 OCCURS 26
  03 M0IC2T
                                    * LINE TYPE LETTER (A TO Z)
                PIC X
  03 M0IC2I
                  PIC 9(4) COMP
                                    * ICON INDEX FOR THAT LETTER
                 PIC 9(2) COMP
                                    * COLOUR PROFILE INDEX
  02 MOCPRO
                                    * (FOR VERSION 3, OR HIGHER)
                                    * BITMAP INDEX (001, 002 ETC.)
  02 MOBMAP
                  PIC X(3)
                                    * (FOR VERSION 4, OR HIGHER)
```

| Note that the version 1 M0 block has the following format: | | | | |
|--|---------|---------------|-------------------------|--|
| 01 | MO | | * AMHDR\$ CONTROL BLOCK | |
| 02 | M0VERS | PIC 9(4) COMP | * BLOCK VERSION NUMBER | |
| | | VALUE 1 | * MUST CONTAIN 1 | |
| 02 | MOSTYLE | PIC 9(4) COMP | * MENU DISPLAY STYLE | |
| 02 | M0FLAGS | PIC 9(4) COMP | * MENU FLAGS | |
| 02 | M0FKEYS | PIC 9(2) COMP | * VALUE FUNCTION KEYS | |
| 02 | MOTOUT | PIC 9(4) COMP | * ACCEPT TIMEOUT | |
| 02 | MOTXTL | PIC 9(4) COMP | * LENGTH OF TITLE TEXT | |
| 02 | MOTXTP | PIC PTR | * POINTER TO TITLE TEXT | |

1.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMHDR\$:

| STOP code | Description |
|-----------|---|
| 16401 | AMHDR\$ has been called on a non GX screen. |
| 16402 | The M0VERS field does not contain 2. |
| 16405 | A zero-terminated string is longer than 255 characters. |
| 16410 | The value of the M0STYLE field is invalid. |
| 16411 | The value of the M0FLAGS field is invalid. |

The following EXIT codes may be returned by AMHDR\$:

| EXIT code | \$\$COND | Description |
|-----------|----------|--|
| 16401 | 1 | An exception was returned by GX. |
| 16402 | 2 | Insufficient memory to allocate a work buffer. |

1.3 Programming Notes

AMHDR\$ is only available when running on GX. Any attempt to use AMHDR\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5c, or later. The version of GSM must be GSM SP-16, or later.

AMHDR\$ must be called before any of the other Advanced Menu Handler calls can be made.

The allowed values in the M0STYLE field are:

| M0STYLE value | Menu style |
|---------------|----------------------------|
| 0 | Invalid |
| 1 | Expanded button menu style |
| 2 | Explorer tree style menu |
| 3 | Drop down style menu |
| 4 | Start button style menu |
| 5, and higher | Reserved for future use |

The M0FLAGS field is a collection of bit flags. The current bit values are valie:

| M0FLAG bit mask | Meaning |
|-----------------|-------------------------|
| #0001 | Show logo bitmap |
| #0002 | Enable custom Help Mode |
| #0004 | Reserved for future use |
| #0008 | Reserved for future use |
| #0010 | Reserved for future use |
| #0020 | Reserved for future use |
| #0040 | Reserved for future use |
| #0080 | Reserved for future use |
| #0100 | Reserved for future use |
| #0200 | Reserved for future use |
| #0400 | Reserved for future use |
| #0800 | Reserved for future use |
| #1000 | Reserved for future use |
| #2000 | Reserved for future use |
| #4000 | Reserved for future use |
| #8000 | Reserved for future use |

The M0FKEYS field contains a number of bit flags:

| M0KEYS bit mask | Function key enabled |
|-----------------|-------------------------|
| #01 | <f1></f1> |
| #02 | <f2> and <f3></f3></f2> |
| #04 | <f4></f4> |
| #08 | SYSREQ |
| #10 | Reserved for future use |
| #20 | Reserved for future use |
| #40 | Reserved for future use |
| #80 | Reserved for future use |

The M0TOUT field contains the time-out value in seconds. A value of 0 disables the menu time-out feature.

All icons are taken from the [menuicons] section of the GX.INI file.

1.4 Examples

[EXAMPLE REQUIRED]

1.5 Copy-Books

The "M0" copy-book, in copy-library S.DF, expands the M0 control block.

1.6 See Also

AMPAG\$ Display Advanced Menu Page
AMACC\$ Advanced Menu Accept
AMSEQ\$ Get Advanced Menu Sequence
AMCLR\$ Clear Advanced Menu
AMCOL\$ Get Advanced Menu Colour Profile Index

2. AMPAG\$ Display Advanced Menu handler Page

The Advanced Menu Handler Page function must be called **repeatedly** to supply the information for a single Menu Page.

2.1 Invocation

To display an Advanced Menu Handler page code:

CALL AMPAG\$ USING M1

where M1 is a control block of the following format:

| 02 02 02 02 02 | M1VERS M1FILE M1UNIT M1SEQ M1PAGE M1NLINS | PIC 9(4) COMP PIC 9(4) COMP PIC 9(2) COMP | * AMPAG\$ CONTROL BLOCK * BLOCK VERSION NUMBER * MUST CONTAIN 2 * MENU FILE-ID FOR MENU PAGE * MENU UNIT-ID FOR MENU PAGE * MENU SEQUENCE NUMBER (ALWAYS 0) * MENU PAGE NUMBER * NUMBER OF MENU LINES |
|----------------------------|--|---|---|
| 02 03 03 03 03 | M1LINE OCCU M1INDEX M1TYPE M1FIL2 M1UNI2 M1TPAG | RS 18 PIC 9(2) COMP | * MENU LINE INDEX * LINE TYPE "N" OR "F" * MENU FILE-ID FOR MENU-LINE * MENU UNIT-ID FOR MENU-LINE * TARGET MENU PAGE NUMBER ("N" LINE) * LINE ATTRIBUTE |
| 03 | M1TXTL M1TXTP M1HELP | _ | <pre>* #00 = NORMAL LINE * #01 = INACTIVE LINE * LENGTH OF MENU-LINE TEXT * POINTER TO MENU TITLE-LINE TEXT * HELP SUPPLIED FOR THIS LINE? * 0 = NO HELP * 1 = HELP AVAILABLE</pre> |
| 03 03 03 03 | M1ICID M1SHID M1HOVER M1HOVL | PIC X(12) PIC 9(4) COMP | * HELP FILE NAME * HELP TAGE |

```
Note that the version 1 M1 block has the following format:
```

01 M1 * AMPAG\$ CONTROL BLOCK

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| 02 | M1VERS | PIC 9(4) COMP | * BLOCK VERSION NUMBER |
|----|---------------|---------------|--------------------------------------|
| | | VALUE 1 | * MUST CONTAIN 1 |
| 02 | M1FILE | PIC X(8) | * MENU FILE-ID FOR MENU PAGE |
| 02 | M1UNIT | PIC X(3) | * MENU UNIT-ID FOR MENU PAGE |
| 02 | M1SEQ | PIC 9(4) COMP | * MENU SEQUENCE NUMBER (ALWAYS 0) |
| 02 | M1PAGE | PIC 9(4) COMP | * MENU PAGE NUMBER |
| 02 | M1NLINS | PIC 9(2) COMP | * NUMBER OF MENU LINES |
| 02 | M1HSF | PIC 9(2) COMP | * HELP SUPPLIED FLAG |
| 02 | M1ISF | PIC 9(2) COMP | * ICONS SUPPLIED FLAG |
| 02 | M1LINE OCCURS | 18 | |
| 03 | M1INDEX | PIC 9(2) COMP | * MENU LINE INDEX |
| 03 | M1TYPE | PIC X | * LINE TYPE "N" OR "F" |
| 03 | M1FIL2 | PIC X(8) | * MENU FILE-ID FOR MENU-LINE |
| 03 | M1UNI2 | PIC X(3) | * MENU UNIT-ID FOR MENU-LINE |
| 03 | M1TPAG | PIC 9(4) COMP | * TARGET MENU PAGE NUMBER ("N" LINE) |
| 03 | M1ATTR | PIC 9(2) COMP | * LINE ATTRIBUTE |
| | | | * #00 = NORMAL LINE |
| | | | * #01 = INACTIVE LINE |
| 03 | M1TXTL | PIC 9(4) COMP | * LENGTH OF MENU-LINE TEXT |
| 03 | M1TXTP | PIC PTR | * POINTER TO MENU TITLE-LINE TEXT |
| 02 | M1HELP OCCURS | 18 | |
| 03 | M1HINX | PIC 9(2) COMP | * HELP MENU LINE INDEX |
| 03 | M1HFIL | | * HELP FILE NAME |
| 03 | M1HTAG | PIC X(12) | * HELP TAGE |
| 02 | M1ICON OCCURS | | |
| 03 | M1IINX | PIC 9(2) COMP | * HELP MENU LINE INDEX |
| 03 | M1IID | PIC 9(4) COMP | * ICON IDE NUMBER |

2.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMPAG\$:

| STOP code | Description |
|-----------|---|
| 16401 | AMPAG\$ has been called on a non GX screen. |
| 16402 | The M1VERS field does not contain 2. |
| 16405 | A zero-terminated string is longer than 255 characters. |
| 16412 | The M1NLINS field is outside the range 1 to 18. |
| 16413 | An M1INDEX field is outside the range 1 to 18. |
| 16414 | An M1TYPE field does not contain a value between "A" and "Z". |
| 16415 | An M1ATTR field is higher than 1. |

The following EXIT codes may be returned by AMPAG\$:

| EXIT code |
|-----------|
|-----------|

| 16401 | 1 | An exception was returned by GX. | |
|-------|---|--|--|
| 16402 | 2 | Insufficient memory to allocate a work buffer. | |

2.3 Programming Notes

AMPAG\$ is only available when running on GX. Any attempt to use AMPAG\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5c, or later. The version of GSM must be GSM SP-16, or later.

2.4 Examples

[EXAMPLE REQUIRED]

2.5 Copy-Books

The "M1" copy-book, in copy-library S.DF, expands the M1 control block.

2.6 See Also

| AMHDR\$ | Set Advanced Menu Header |
|---------|--|
| AMACC\$ | Advanced Menu Accept |
| AMSEQ\$ | Get Advanced Menu Sequence |
| AMCLR\$ | Clear Advanced Menu |
| AMCOL\$ | Get Advanced Menu Colour Profile Index |

3. AMACC\$ Accept Advanced Menu Selection

The Advanced Menu Handler Accept operation initiates an accept on the menu just displayed by a combination of the Advanced Menu Handler Header and Page functions.

3.1 Invocation

To accept a response from Advanced Menu Handler page code:

```
CALL AMACC$ USING M2 M3
```

where M2 is a control block of the following format:

| 01 | M2 | | | * | AMACC\$ CONTROL BLOCK |
|----|---------|----------|------|---|----------------------------|
| 02 | M2VERS | PIC 9(4) | COMP | * | BLOCK VERSION NUMBER |
| | | VALUE 2 | | * | MUST CONTAIN 2 |
| 02 | M2LINE | PIC 9(2) | COMP | * | SELECTED MENU LINE |
| | | | | * | (RESERVED - MUST BE 0) |
| 02 | M2PAGE | PIC 9(4) | COMP | * | SELECTED MENU PAGE |
| | | | | * | (RESERVED - MUST BE 0) |
| 02 | M2FLAGS | PIC 9(4) | COMP | * | FLAGS |
| | | | | * | #0001 = RESERVED |
| | | | | * | #0002 = RESERVED |
| | | | | * | #0004 = RESERVED |
| | | | | * | #0008 = ENABLE <esc></esc> |
| | | | | * | #FFF0 = RESERVED BITS |
| 02 | M2FILE | PIC X(8) | | * | MENU FILE NAME |
| 02 | M2UNIT | PIC X(3) | | * | MENU FILE UNIT |

and M3 is a control block of the following format:

01 M3 * AMACC\$ CONTROL BLOCK

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| 02 | M3VERS | PIC 9(4) | COMP | | BLOCK VERSION NUMBER |
|----|-------------|----------|------|---|--|
| | | VALUE 2 | | | MUST CONTAIN 2 |
| 02 | M3CODE | PIC 9(4) | COMP | | RETURNED EXCEPTION CODE |
| 02 | M3DCPR | PIC X(8) | | * | DIRECT COMMAND PROG NAME (IF M3CODE = 1) |
| 02 | M3DCUN | PIC X(3) | | * | DIRECT COMMAND UNIT (IF M3CODE = 1) |
| 02 | M3CMFI | PIC X(8) | | * | CURRENT MENU FILE |
| | | | | * | (IF M3CODE = 2, 3, 11 OR 14) |
| 02 | M3CMUN | PIC X(3) | | * | CURRENT MENU UNIT |
| | | | | * | (IF M3CODE = 2, 3, 11 OR 14) |
| 02 | M3RMNU | PIC 9(4) | COMP | * | RUN MENU NUMBER (IF M3CODE = 27) |
| 02 | M3RMLN | PIC 9(4) | COMP | * | RUN MENU LINE NUMBER (IF M3CODE = 27) |
| 02 | M3RMSQ | PIC 9(4) | COMP | * | RUN MENU SEQ. NUMBER (IF M3CODE = 27) |
| 02 | M3TYPE | PIC X | | * | MENU LINE TYPE (IF M3CODE = 903) |
| 02 | M3ATTR | PIC 9(2) | COMP | * | MENU ATTRIBUTE (IF M3CODE = 903) |
| 02 | M3ENTS | PIC 9(2) | | | NUMBER OF ENTRIES (IF M3CODE = 29) |
| 02 | M3SETS OCCU | RS 32 | | | RETURNED RESULT SETS |
| 03 | M3FILE | PIC X(8) | | * | MENU FILE NAME |
| 03 | M3UNIT | PIC X(3) | | * | MENU FILE UNIT |
| 03 | M3DID | PIC 9(4) | COMP | * | MENU PAGE NUMBER |
| | | PIC 9(2) | COMP | * | MENU LINE INDEX |

```
Note that the version 1 M2 block has the following format:
                                                                               * AMACC$ CONTROL BLOCK
                                            PIC 9(4) COMP
VALUE 1
PIC 9(4) COMP
PIC X(8)
                                                                               * BLOCK VERSION NUMBER
* MUST CONTAIN 1
              02
                      M2VERS
                                                                               * RETURNED EXCEPTION CODE
                      M2CODE
              02
02
02
02
02
                                                                              * DIRECT COMMAND PROG NAME (IF M2CODE = 1)
* DIRECT COMMAND UNIT (IF M2CODE = 1)
                      M2DCPR
                      M2UDCN
                                             PIC X(3)
                                                                              * RUN MENU NUMBER (IF M2CODE = 27)

* RUN MENU LINE NUMBER (IF M2CODE = 27)

* RUN MENU SEQ. NUMBER (IF M2CODE = 27)
                      M2RMNU
                                             PIC 9(4) COMP
                      M2RMLN
                                             PIC 9(4)
                                                          COMP
              02
02
02
                      M2RMSQ
                                             PIC 9(4) COMP
                                                                              * NUMBER OF ENTRIES (IF M2CODE = 29)
* RETURNED RESULT SETS
                      M2ENTS P:
M2SETS OCCURS 32
                                             PIC 9(2) COMP
                                                                               * MENU FILE NAME
* MENU FILE UNIT
               03
                      M2FILE
                                             PIC X(8)
                                             PIC X(3)
PIC 9(4) COMP
                      M2UNIT
                                                                                  MENU PAGE NUMBER
                      M2INDEX
                                             PIC 9(2) COMP
                                                                               * MENU LINE INDEX
```

3.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMACC\$:

| STOP code | Description |
|-----------|---|
| 16401 | AMACC\$ has been called on a non GX screen. |
| 16402 | The M2VERS field does not contain 2. |
| 16403 | The M3VERS field does not contain 2. |

The following EXIT codes may be returned by AMACC\$:

| XIT code |
|----------|
|----------|

| 16401 | 1 | An unexpected error was returned by GX. |
|-------|---|--|
| 16402 | 2 | Insufficient memory to allocate a work buffer. |
| 16403 | 3 | GX has returned an invalid menu depth |
| 16408 | 8 | Hard error returned by GX (the detailed error code is available in \$\$CRES) |

3.3 Programming Notes

AMACC\$ is only available when running on GX. Any attempt to use AMACC\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5c, or later. The version of GSM must be GSM SP-16, or later.

The type of response is returned in M3CODE which will contain one of the following values:

| Value in M3CODE | Response | Further M3 processing required? |
|-----------------|------------------------------------|-------------------------------------|
| 1 | A direct "command" has been | M3DCPR contains the name of the |
| | specified. | direct command; |
| | | M3DCUN contains the associated |
| | | unit number. |
| 2 | <f2> has been keyed</f2> | None. |
| 3 | <f3> has been keyed</f3> | None. |
| 11 | <esc> has been keyed</esc> | None. |
| 12 | <f4> has been keyed</f4> | None. |
| 27 | A Run Menu Item has been | M3RMNU contains the Run Menu |
| | selected. | menu number; |
| | | M3RMLI contains the Run Menu line |
| | | number; |
| | | M3RMSQ contains the Run Menu |
| | | sequence number. |
| 28 | The Help option has been | |
| | selected. This exception will only | |
| | be returned if the #0002 bit of | |
| | M0FLAG was set in the Menu | |
| | Header call. | M3ENTS may be 0 if Help was |
| | | selected while not over a specific |
| | | menu button; or if the Help toolbar |
| | | option was selected. |
| 29 | A menu option has been selected. | M3ENTS contains the number of |
| | | elements in the M3SETS array; |
| | | M3SETS contains details of the |
| 000 | The time out we wind here our in- | route to the selected menu line. |
| 900 | The timeout period has expired. | None. |
| 903 | A special menu option has been | M3ENTS contains the number of |

| selecte | d. Thi | s exc | eption | is | elements | in the M3S | ETS arra | ıy; | |
|---------|---------|---------|--------|-----|-------------|-------------|----------|-----|-----|
| reserve | d for | future | use | and | M3SETS | contains | details | of | the |
| should | not nor | mally o | ccur. | | route to th | ne selected | menu lin | e. | |

No other values will be returned in M3CODE.

If M3CODE contains 29 the last element in the M3SETS array contains details of the selected menu line. The previous entries in M3SETS effectively return the route taken through the menu structure to reach the selected menu line.

3.4 Examples

[EXAMPLE REQUIRED]

3.5 Copy-Books

The "M2" copy-book, in copy-library S.DF, expands the M2 control block. The "M3" copy-book, in copy-library S.DF, expands the M3 control block.

3.6 See Also

| AMPAG\$ | Display Advanced Menu Page |
|---------|--|
| AMHDR\$ | Set Advanced Menu Header |
| AMSEQ\$ | Get Advanced Menu Sequence |
| AMCLR\$ | Clear Advanced Menu |
| AMCOL\$ | Get Advanced Menu Colour Profile Index |

4. AMSEQ\$ Get Advanced Menu Sequence Number

The Get Advanced Menu Handler Sequence operation returns the sequence number of the menu currently held by GX.

4.1 Invocation

To obtain the Sequence Number from the Advanced Menu Handler page code:

```
CALL AMSEQ$ USING M4
```

where M4 is a control block of the following format:

| 01 02 | M4 M4VERS | PIC 9(4) COMP | * AMSEQ\$ CONTROL BLOCK * BLOCK VERSION NUMBER |
|----------|--------------|---------------|---|
| | | VALUE 2 | * MUST CONTAIN 2 |
| 02 | M4FILE | PIC X(8) | * MENU FILE NAME |
| 02 | M4UNIT | PIC X(3) | * MENU FILE UNIT |
| 0.2 | M4SEO | PIC 9(4) COMP | * MENII SEOUENCE RETURNED HERE |

4.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMSEQ\$:

| STOP code | Description |
|-----------|---|
| 16401 | AMSEQ\$ has been called on a non GX screen. |

| The M4VERS field does not contain 2. |
|--------------------------------------|
|--------------------------------------|

The following EXIT codes may be returned by AMSEQ\$:

| EXIT code | \$\$COND | Description |
|-----------|----------|---|
| 16401 | 1 | An unexpected error was returned by GX. |

4.3 Programming Notes

AMSEQ\$ is only available when running on GX. Any attempt to use AMSEQ\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5c, or later. The version of GSM must be GSM SP-16, or later.

4.4 Examples

[EXAMPLE REQUIRED]

4.5 Copy-Books

The "M4" copy-book, in copy-library S.DF, expands the M4 control block.

4.6 See Also

| AMHDR\$ | Set Advanced Menu Header |
|---------|--|
| AMPAG\$ | Display Advanced Menu Page |
| AMACC\$ | Advanced Menu Accept |
| AMCLR\$ | Clear Advanced Menu |
| AMCOL\$ | Get Advanced Menu Colour Profile Index |

5. AMCLR\$ Clear Advanced Menu

The Advanced Menu Handler Clear operation removes the menu structure from the internal tables held by GX. Note that the AMCLR\$ routine is not strictly and has been added for completeness only. GX automatically performs all the necessary house-keeping on its inmemory menu file structures.

5.1 Invocation

To clear an Advanced Menu from the GX tables code:

CALL AMCLR\$

No parameters are required.

5.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMCLR\$:

| STOP code |
|-----------|
|-----------|

| AMOLD¢ has been called an a year CV agreen |
|---|
| AMCLR\$ has been called on a non GX screen. |
| ١ |

The following EXIT codes may be returned by AMCLR\$:

| EXIT code | \$\$COND | Description |
|-----------|----------|---|
| 16401 | 1 | An unexpected error was returned by GX. |

5.3 Programming Notes

AMCLR\$ is only available when running on GX. Any attempt to use AMCLR\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5c, or later. The version of GSM must be GSM SP-16, or later.

5.4 Examples

[EXAMPLE REQUIRED]

5.5 Copy-Books

None.

5.6 See Also

| AMHDR\$ | Set Advanced Menu Header |
|---------|--|
| AMPAG\$ | Display Advanced Menu Page |
| AMACC\$ | Advanced Menu Accept |
| AMSEQ\$ | Get Advanced Menu Sequence |
| AMCOL\$ | Get Advanced Menu Colour Profile Index |

6. AMCOL\$ Get Advanced Menu Colour Profile Index

The Get Advanced Menu Handler Colour Profile Index returns the Colour Profile Index of the menu currently held by GX.

6.1 Invocation

To obtain the Colour Profile Index from the Advanced Menu Handler page code:

```
CALL AMCOL$ USING M5
```

where M5 is a control block of the following format:

| 01 | M5 | | * AMSEQ\$ CONTROL BLOCK |
|----|--------|---------------|--------------------------------------|
| 02 | M5VERS | PIC 9(4) COMP | * BLOCK VERSION NUMBER |
| | | VALUE 1 | * MUST CONTAIN 1 |
| 02 | M5FILE | PIC X(8) | * MENU FILE NAME |
| 02 | M5UNIT | PIC X(3) | * MENU FILE UNIT |
| 02 | M5CPRO | PIC 9(2) COMP | * COLOUR PROFILE INDEX RETURNED HERE |

6.2 STOP Codes and Exception Conditions

The following STOP codes may be generated by AMCOL\$:

| STOP code | Description |
|-----------|---|
| 16401 | AMCOL\$ has been called on a non GX screen. |
| 16402 | The M5VERS field does not contain 1. |

The following EXIT codes may be returned by AMCOL\$:

| EXIT code | \$\$COND | Description |
|-----------|----------|---|
| 16401 | 1 | An unexpected error was returned by GX. |

6.3 Programming Notes

AMCOL\$ is only available when running on GX. Any attempt to use AMCOL\$ on a non-GX terminal will result in a STOP code. The version of GX must be V3.5e, or later. The version of GSM must be GSM SP-16, or later.

6.4 Examples

[EXAMPLE REQUIRED]

6.5 Copy-Books

The "M5" copy-book, in copy-library S.DF, expands the M5 control block.

6.6 See Also

| AMHDR\$ | Set Advanced Menu Header |
|---------|----------------------------|
| AMPAG\$ | Display Advanced Menu Page |
| AMACC\$ | Advanced Menu Accept |
| AMCLR\$ | Clear Advanced Menu |
| AMSEQ\$ | Advanced Menu Sequence |
| | |