Multiple colors for fields.

Create 2 Execute user source functions for DDS.
1st one for first field in record, 2nd for the additional fields in record.

1.

```
 Function name . . : MULTI COLOR SUBFILE 1ST    Type : Edit device user source
 Received by file. : UTILITY                    Acpth: *NONE

 Source library. . : APGEN


         Source    Device
 ?       Member    Language Text
 █       A2L4UFR   DDS     MULTI COLOR SUBFILE 1ST   Execute user source
```

Source code

```
 Columns . . . :    1  71              Edit                     APGEN/QDDSSRC
 SEU==> _____         A2L4UFR
 FMT **  ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7
        *************** Beginning of data **************************************
0001.00 ) POSITION TO=LAST
0002.00     A                                      DSPATR(&U0PSF1)
0003.00     A            U0PSF1          1A  P
        ***************** End of data *************************************
```

2.

```
 Function name . . : MULTI COLOR SUBFILE ADDIT Type : Edit device user source
 Received by file. : UTILITY                   Acpth: *NONE

 Source library. . : APGEN


         Source    Device
 ?       Member    Language Text
 _       A2L6UFR   DDS     MULTI COLOR SUBFILE ADDIT Execute user source
```

Source code

```
 Columns . . . :    1  71              Edit                     APGEN/QDDSSRC
 SEU==> _____         A2L6UFR
 FMT **  ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7
        *************** Beginning of data **************************************
0001.00 ) POSITION TO=LAST
0002.00     A                                      DSPATR(&U0PSF1)
        ***************** End of data *************************************
```

Create a Execute user source function for the color (RPG)

Example (blue color)

```
Function name . . : MULTI COLOR SUBFILE BLUE   Type : Execute user source
Received by file. : UTILITY                    Acpth: *NONE

Source library. . : APGEN

Object   Source      Target
? Type   Name        HLL     Text
E  PGM   A2L7UFR     RPG     MULTI COLOR SUBFILE BLUE  Execute user source
```

Source code

```
 Columns . . . :    1  71             Edit                        APGEN/QRPGSRC
 SEU==> _____        A2L7UFR
 FMT C  .....CL0N01N02N03Factor1+++OpcdeFactor2+++ResultLenDHHiLoEqComments++++
        *************** Beginning of data **************************************
0001.00      C                        MOVELX'BA'    U0PSF1
        **************** End of data ***************************************
```


(pink color)

```
Function name . . : MULTI COLOR SUBFILE PINK   Type : Execute user source
Received by file. : UTILITY                    Acpth: *NONE

Source library. . : APGEN

Object   Source      Target
? Type   Name        HLL     Text
_  PGM   A2L9UFR     RPG     MULTI COLOR SUBFILE PINK  Execute user source
```

Source code

```
 Columns . . . :    1  71             Edit                        APGEN/QRPGSRC
 SEU==> |_____        A2L9UFR
 FMT C  .....CL0N01N02N03Factor1+++OpcdeFactor2+++ResultLenDHHiLoEqComments++++
        *************** Beginning of data **************************************
0001.00      C                        MOVELX'38'    U0PSF1
        **************** End of data ***************************************
```


To use. Go to first field in record and "EDIT SCREEN ENTRY DETAILS", F11 to "Entry user source"

```
    Check condition . :      *NONE_____
    Allow blank. . . . . :                          Field exit option. . : _


  F11=Entry user source           F18=Screen attributes          F24=More keys
```

F9 to Attach function. Select 1st field DDS.

```
   Device                                          Attached  Applied
 ? Lang. [for] Device function   Associated with file   at level  sequence
   _   DDS MULTI COLOR SUBFILE 1ST   UTILITY                Entry       1.00






                                                                    Bottom
   SEL: E-Edit device function source,  +/- Enable/Disable,  D-Detach,  R-Rescope

   F3=Exit        F5=Reload        F9=Attach function       F17=Services
```

The same for the other fields in the record, but attach additional field DDS.

```
 File . . : EM EQUIPMENT              Device format: Subfile record.
 Function : DSP EM EQUIPMENT (M)      Device entry : EM EQUIPMENT TYPE DESC

   Device                                          Attached  Applied
 ? Lang. [for] Device function   Associated with file   at level  sequence
   _   DDS MULTI COLOR SUBFILE ADDIT UTILITY              Entry       1.00






                                                                    Bottom
   SEL: E-Edit device function source,  +/- Enable/Disable,  D-Detach,  R-Rescope

   F3=Exit        F5=Reload        F9=Attach function       F17=Services
```

Go to action diagram

```
 EDIT ACTION DIAGRAM              Edit      APMDL      EM EQUIPMENT
FIND=>                                                 DSP EM EQUIPMENT (M)
I(C,I,S)F=I  ...................................................................
I(A,E,Q,*,+ : USER EXIT POINTS  Opt: X,Z=Select  V=Summary  W=Wrapper     :
    > DSP   : _ USER: Initialize program                              <<<  :
    .--     : _ USER: Initialize subfile control                      <<<  :
___ . ...I  : Z USER: Initialize subfile record from DBF record       <<<  :
___ . .=RE  : _ CALC: Subfile control function fields                      :
___ . -*A   : _ USER: Process subfile control (Pre-confirm)                :
___ . ..    : _ CALC: Subfile record function fields                       :
___ . PG    : _ USER: Process subfile record (Pre-confirm)            <<<  :
___ . >     : _ USER: Final processing (Pre-confirm)                       :
___ . .=    : _ USER: Process command keys                        + <<<  :
___ . -     :..................................................................
___ .    Display screen
___ .    ...Process response
___ . '-ENDWHILE
___ .'-ENDWHILE
___ ....Closedown
```

Add colors

```
 EDIT ACTION DIAGRAM              Edit      APMDL      EM EQUIPMENT
FIND=>                                                 DSP EM EQUIPMENT (M)
I(C,I,S)F=Insert construct          I(X,O)F=Insert alternate case
I(A,E,Q,*,+,-,=,=A)F=Insert action    IMF=Insert message
___  > COLOR CODING                                                    <<<
___  .-CASE                                                            <<<
___  ¦-DB1.EM EQUIPMENT STATUS is INACTIVE                             <<<
___  ¦ MULTI COLOR SUBFILE RED - UTILITY  *                           <<<
___  ¦-*OTHERWISE                                                      <<<
___  ¦ .-CASE                                                          <<<
___  ¦ ¦-DB1.EM EQUIPMENT RENTAL is YES                               <<<
___  ¦ ¦ MULTI COLOR SUBFILE YELLO - UTILITY  *                       <<<
___  ¦ ¦-*OTHERWISE                                                    <<<
___  ¦ ¦ MULTI COLOR SUBFILE GREEN - UTILITY  *                       <<<
___  ¦ '-ENDCASE                                                      <<<
___  '-ENDCASE                                                        <<<
```