

```

1: unit Fav;
2:
3: {$mode objfpc}{$H+}
4:
5: //=====
6: //
7: //  Fav.pas
8: //
9: //  Calls: AppConstants
10: //          AppVariables
11: //          BCCCommand : SetVHFBand
12: //                      SetUHFBand
13: //          BufCommand : SetBuffer
14: //          LCDDisplay : UpdateLCDDisplay
15: //          Utilities : DisplayUHFBuffer
16: //                      DisplayVHFBuffer
17: //  Called By: Main : TfrmMain.bbtFav01MouseUp
18: //
19: //  Ver: 1.0.0
20: //
21: //  Date: 9 Dec 2013
22: //
23: //=====
24:
25: interface
26:
27: uses
28:   Classes, Dialogs, SysUtils,
29:   // Application Units
30:   AppConstants, AppVariables, BCCCommand, BufCommand, LCDDisplay, Utilities;
31:
32: procedure SetFAVChannel ( vbytChannelNr : Byte );
33:
34: implementation
35:
36: procedure SetFAVChannel ( vbytChannelNr : Byte );
37: begin
38:
39:   // vbytChannelNr is the index into the gvstrFAVChannelDataArray table.
40:   // First we make sure that we have a valid data record at this position by ensuring
41:   // the Channel Name contains data (Mandatory field).
42:   if Length ( gvstrFAVChannelDataArray[ vbytChannelNr, gcbytChannelNameField ] ) <
43:       gcbytMinChannelNameLength then
44:   begin
45:     showMessage('No Entry');
46:     Exit;
47:   end; // if Length ( gvstrFAVChannelDataArray
48:
49:   // Here we have a valid data record so we load the appropriate buffer based on the
50:   // VFO field
51:   if gvstrFAVChannelDataArray[ vbytChannelNr, gcbytVFOField ] = gcstrVHF then
52:   begin
53:     gvstrVHFDataSource := 'FAV';
54:     gvstrVHFRXFrequency := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytRXFrequencyField ];
55:     gvstrVHFStep := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytStepField ];
56:     gvstrVHFShift := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytShiftField ];
57:     gvstrVHFReverse := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytReverseField ];
58:     gvstrVHFTone := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytToneField ];
59:     gvstrVHFCTCSS := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCTCSSField ];
60:     gvstrVHFDTSS := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytDTSSField ];

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61:     gvstrVHFToneNr := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytToneNrField ];
62:     gvstrVHFDTSSTSSCode := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytDTSSCodeField ];
63:     gvstrVHFCTCSSNr := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCTCSSNrField ];
64:     gvstrVHFOffset := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytShiftOffsetField ];
65:     gvstrVHFScan := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytScanField ];
66:     gvstrVHFRFPower := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytRFPowerField ];
67:     gvstrVHFChannelName := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytChannelNameField ];
68:     gvstrVHFChannelComments := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCommentsField ];
69:     gvstrVHFChannelNr := IntToStr(vbytChannelNr);
70:
71: /***      DisplayVHFBuffer;
72:
73:     SetBuffer(gcstrVHFVFO);
74:     SetVHFBand;
75:
76: end
77: else
78: begin
79:     gvstrUHFDataSource := 'FAV';
80:     gvstrUHF RXFrequency := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytRXFrequencyField ];
81:     gvstrUHFStep := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytStepField ];
82:     gvstrUHFShift := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytShiftField ];
83:     gvstrUHFReverse := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytReverseField ];
84:     gvstrUHFTone := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytToneField ];
85:     gvstrUHFCTCSS := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCTCSSField ];
86:     gvstrUHFDTSSTSS := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytDTSSField ];
87:     gvstrUHFToneNr := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytToneNrField ];
88:     gvstrUHFDTSSTSSCode := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytDTSSCodeField ];
89:     gvstrUHFCTCSSNr := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCTCSSNrField ];
90:     gvstrUHFOffset := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytShiftOffsetField ];
91:     gvstrUHFScan := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytScanField ];
92:     gvstrUHFRFPower := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytRFPowerField ];
93:     gvstrUHFChannelName := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytChannelNameField ];
94:     gvstrUHFChannelComments := gvstrFAVChannelDataArray[ vbytChannelNr, gcbytCommentsField ];
95:     gvstrUHFChannelNr := IntToStr(vbytChannelNr);
96:
97: /***      DisplayUHFBuffer;
98:
99:     SetBuffer(gcstrUHFVFO);
100:     SetUHFBand;
101:     UpdateLCDDisplay;
102:
103: end; // if gvstrFAVChannelDataArray[ vbytChannelNr, gcbytVFOField ] = gcstrVHFVFO
104:
105: end; // procedure SetFAVChannel ( vbytChannelNr : Byte );
106:
107: //=====
108:
109: end. // unit Fav;
110:

```