

```

1: unit BCCommand;
2:
3: {$mode objfpc}{$H+}
4:
5: //=====
6: //
7: //  BCCommand.pas
8: //
9: // Description: Reads and Sets the band Control status according to the following truth
10: // table. Note that only PTT BAND CHANGES are processed in this version.
11: //
12: //
13: //          STATE          Control      PTT
14: //          VHF both       0           0
15: //          UHF both       1           1
16: //          VHF Control UHF PTT 0           1
17: //          UHF Control VHF PTT 1           0
18: //
19: // Calls: AppConstants
20: //          LCDDisplay : DisplayBCStatus
21: //          SerialStuff : SendCommand
22: //          Variables
23: //
24: // Called By: Fav : SetFAVChannel
25: //          Init : Initialize
26: //          Main.TfrmMain.btnBandClick
27: //          Mem_VHF : TfrmMEM.bbtSelectClick
28: //          ResponseParser : ParseResponse
29: //
30: // Ver: 1.0.0
31: //
32: // Date: 21 Jun 2013
33: //=====
34:
35: interface
36:
37: uses
38:   Classes, Dialogs, SysUtils,
39:   // Application Units
40:   AppConstants, LCDDisplay, SerialStuff, AppVariables;
41:
42: procedure BCResponseHandler (vstrKeywordRcvd, vstrParameters : string);
43: procedure TogglePTTBand;
44: procedure GetBCStatus;
45: procedure SetVHFBand;
46: procedure SetUHFBand;
47:
48: implementation
49:
50: //=====
51:
52: procedure BCResponseHandler (vstrKeywordRcvd, vstrParameters : string);
53:
54: begin
55:
56:   // Right now, all we are processing is the Band change, which is the second parameter.
57:   gvstrPTTBand := Copy (vstrParameters, 3, 1);
58:   gvstrCtrlBand := Copy (vstrParameters, 1, 1);
59:   DisplayBCStatus;
60:

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61: end;// procedure BCResponseHandler (vstrKeywordRcvd, vstrParameters : string)
62:
63: //=====
64:
65: procedure TogglePTTBand;
66: begin
67:
68:   if gvstrPTTBand = gcstrVHF then
69:     begin
70:       SendCommand('BC','0,' + gcstrUHF);
71:     end
72:   else
73:     begin
74:       SendCommand('BC','0,' + gcstrVHF);
75:     end;// if gvstrPTTBand = gcstrVHF
76:
77: end;//procedure TogglePTTBand
78:
79: //=====
80:
81: procedure GetBCStatus;
82: begin
83:   SendCommand('BC','');
84: end;// procedure GetBCStatus;
85:
86: //=====
87: procedure SetVHFBand;
88: begin
89:   SendCommand('BC', '0,' + gcstrVHFVFO );
90: end;// procedure SetVHFBand;
91:
92: //=====
93: procedure SetUHFBand;
94: begin
95:   SendCommand('BC', '0,' + gcstrUHFVFO );
96: end;// procedure SetUHFBand;
97:
98: //=====
99: end.// unit BCCommand
100:

```