

## **SkyView WAGA Display - Editing the built-in waypoints 05 May 2025**

The following code sketches define the 3x navigation waypoints.

### **SkyView.h**

Amend the names of the waypoints that are enumerated:

```
175 enum
176 {
177     YBEV,
178     YCUN,
179     YNRG
180 };
```

In the above enumeration, names are given values YBEV=0, YCUN=1, YNRG=2.

Note the last waypoint name is not followed by a comma.

### **View Radar EPD.CPP**

Amend the waypoint names in the Nav\_Names array.

Amend the waypoint lat and long coords (decimal format) in the Nav\_Waypoints array.

```
55 const String Nav_Names[3]= {"YBEV", "YCUN", "YNRG"}; // WAGA 070325
56 const double Nav_Waypoints[3][2] ={
57     {-32.125,116.950}, // YBEV
58     {-31.622,117.217}, // YCUN
59     {-32.930,117.079} // YNRG
60 }; // these waypoints are enumerated in SkyView.h
```

### **WebHelper.CPP**

Amend the WebUI option labels:

```
347 <th align=left>Nav Waypoint</th>\
348 <td align=right>\
349 <select name='waypoint'>\
350 <option %s value='%d'>YBEV</option>\
351 <option %s value='%d'>YCUN</option>\
352 <option %s value='%d'>YNRG</option>\
353 </select>\
354 </td>\
```

Amend the settings selection:

```
(settings->waypoint == YBEV ? "selected" : ""), YBEV,
(settings->waypoint == YCUN ? "selected" : ""), YCUN,
(settings->waypoint == YNRG ? "selected" : ""), YNRG,
```

### **JSONHelper.CPP**

Amend the eeprom writing code:

```
132 // WAGA
133 JsonVariant waypoint = root["waypoint"];
134 if (waypoint.success()) {
135     const char * waypoint_s = waypoint.as<char*>();
136     if (!strcmp(waypoint_s, "YBEV")) {
137         eeprom_block.field.settings.waypoint = YBEV;
138     } else if (!strcmp(waypoint_s, "YCUN")) {
139         eeprom_block.field.settings.waypoint = YCUN;
140     } else if (!strcmp(waypoint_s, "YNRG")) {
141         eeprom_block.field.settings.waypoint = YNRG;
142     }
143 }
```

## **EEPromHelper.CPP**

Amend the eeprom default waypoint setting. This value is used if the eeprom is empty, ie first time the SkyView is started after flashing.

Note: Must match an enumerated waypoint name as it is the number that is stored.

96	<code>eeprom block.field.settings.waypoint</code>	<code>= YBEV; // WAGA 070325</code>
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<End>