

StatusDisplay: Command.json (and StartupCommand.json) format

Introduction

StatusDisplay can react to json formatted commands written to specific files co-located with the application executable:

- 1) StartupCommand.json
- 2) Command.json

Commands contained in StartupCommand.json are processed on each application start. Commands written to Command.json are processed when read by the application and the file is then deleted.

Like the Journal, these files are comprised of one or more line delimited json lines with at the very least "timestamp" and "command" values.

The file can be edited to add / remove POI and Route event json lines.

SD.00 Change log

Version 0: <TBC> April 2021; first issued with StatusDisplay Beta 0.0.9.2

SD.01 ActivateWindow

Function: activates or deactivates specified window.

Parameters:

- "Window":integer (see SD.A1)
- "State":boolean

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"ActivateWindow", "Window":2, "State":false }
```

SD.02 AppBackground

Function: changes the z-order of StatusDisplay windows to "TOPMOST" (true) and "NOTOPMOST" (false).

Parameter(s):

- "State":boolean

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"AppBackground", "State":false }
```

SD.03 GridElement

Function: sets specified element in grid display to designated panel.

Parameters:

- "Grid":integer (0 to 7)
- "Position":integer (0 to 143)
- "Element":integer (see SD.A2)

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"GridElement", "Grid":0, "Position":13, "Element":2560 }
```

SD.04 MFDDarkBackground

Function: set state of "DarkBG" flag on the specified MFD.

Parameters:

- "MFD":integer (0 to 3)
- "State":boolean

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"MFDDarkBackground", "MFD":1, "State":true }
```

SD.05 MFDElement

Function: set an element in the specified position of a control set of an MFD display to designated button or panel..

Parameters:

- "MFD":integer (0 to 3)
- "ControlSet":integer (0 to 1)
- "Position":integer (0 to 27 for buttons; 28 to 63 for panels)
- "Element":integer (See SD.A2)

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"MFDElement", "MFD":1, "ControlSet":0, "Position":28, "Element":3904 }
```

SD.06 MultiPanelSelect

Function: set active tab on multi-panel on specified window.

Parameters:

- "MultiPanel":integer (0 to 31)
- "Window":integer (0 to 11)
- "Selection":integer (0 to 7)

Example:

```
{ "timestamp":"2021-04-06T20:30:00Z", "command":"MultiPanelSelect", "Window":3, "Selection":3 }
```

SD.A1 Window Enumeration

StatusDisplay offers up to twelve individual display windows; four MFDs and eight Grids. When a “Window” parameter is required by a command note the following table:

| Window | Keyboard | Grid | MFD | Name |
|--------|----------|------|-----|-------|
| 0 | ALT-1 | 0 | | Grid0 |
| 1 | ALT-2 | | 0 | MFD0 |
| 2 | ALT-3 | | 1 | MFD1 |
| 3 | ALT-4 | 1 | | Grid1 |
| 4 | ALT-5 | | 2 | MFD2 |
| 5 | ALT-6 | | 3 | MFD3 |
| 6 | ALT-7 | 2 | | Grid2 |
| 7 | ALT-8 | 3 | | Grid3 |
| 8 | ALT-9 | 4 | | Grid4 |
| 9 | ALT-0 | 5 | | Grid5 |
| 10 | ALT-“-“ | 6 | | Grid6 |
| 11 | ALT-“=“ | 7 | | Grid7 |

SD.A2 Element Enumeration

StatusDisplay allows for up to 4096 different elements to be defined. Elements are split in to two main categories:

- Buttons
- Panels

Panels are further sub-divided into four types:

- Plain panels
- Combo Panels
- Flag Panels
- Multi-Panels

| Range | Assigned | Sub-Group Number |
|--------------|--------------|------------------|
| 0 .. 1279 | Buttons | n/a |
| 1280 .. 2559 | Reserved | n/a |
| 2560 .. 3839 | Plain Panels | n/a |
| 3840 .. 3871 | Combo Panels | 0 .. 31 |
| 3872 .. 3903 | Flag Panels | 0 .. 31 |
| 3904 .. 3935 | Multi-Panels | 0 .. 31 |

