



**THE AEROSPACE
CORPORATION**

GUVI

Global Ultraviolet Imager
Critical Design Review



Engineering POC Hardware

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Requirements

- **Integration & Test**
 - Test lamp remote control
 - Display S/C passive monitors
(Stand Alone Test Only)
- **Mission Operations**
 - N/A



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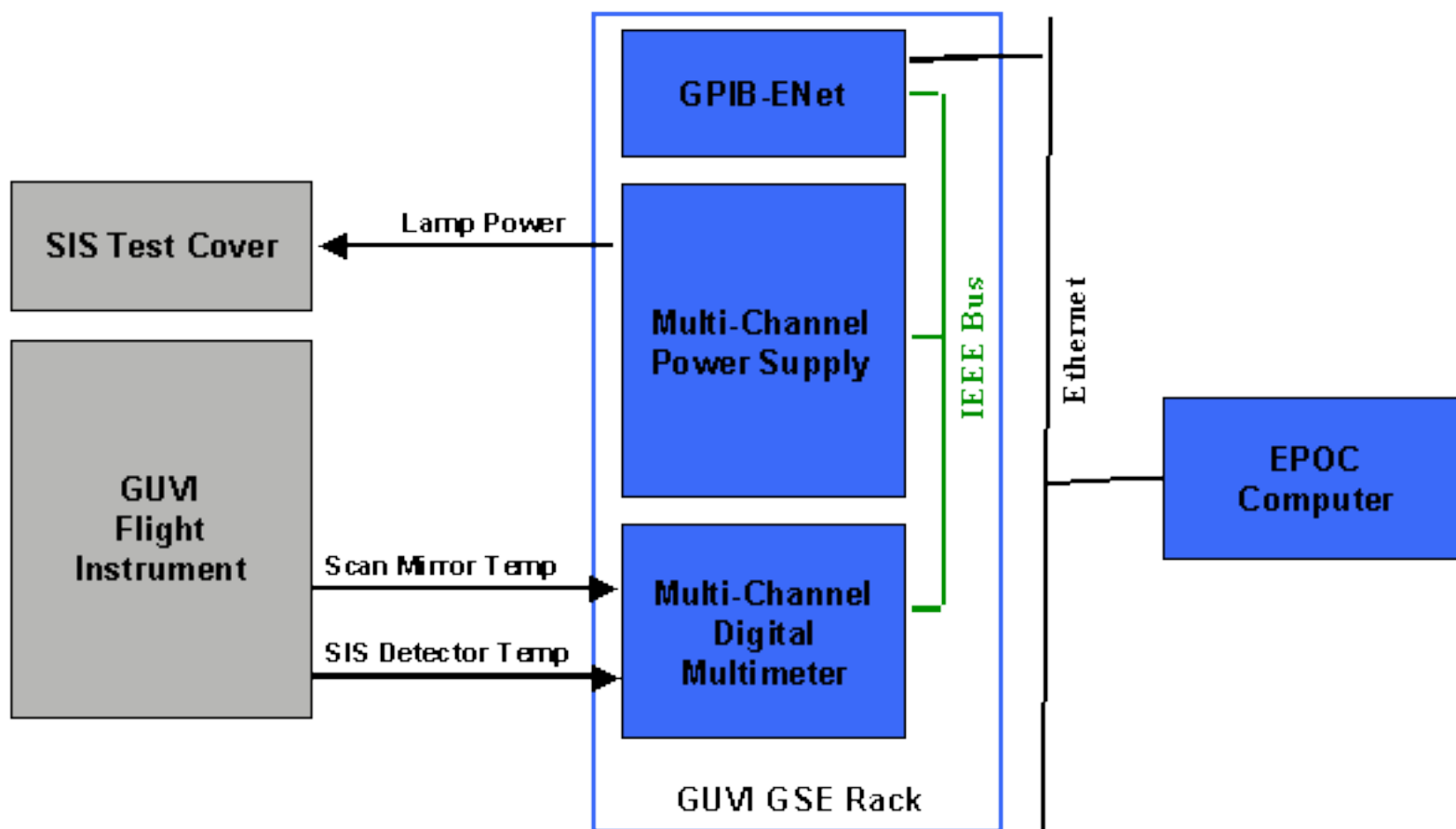
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EPOC Hardware Connections





Hardware Control

STOL Z Directives

- **Power Supply Directives**

- `.ZPwrSup_Enable [chan] [chan] [chan] [chan]`
- `.ZPwrSup_Disable [chan] [chan] [chan] [chan]`
- `.ZPwrSup_ILim [current] [chan]`
- `.ZPwrSup_VLim [voltage] [chan]`
- `.ZPwrSup_VSet [voltage] [chan]`
- `.ZPwrSup_Update_Rate [secs]`

- **Multimeter Directives**

- `.ZMeter_Update_Rate [secs]`

Sample STOL Procedure

```
; Disable all outputs
.ZPwrSup_Disable 1 2 3 4

; Set voltage to 12 volts
.ZPwrSup_VSet 12.0 1

; Set voltage limit to 12.5 volts
.ZPwrSup_VLim 12.5 1

; Set current limit to 10 mA
.ZPwrSup_ILim 0.010 1

; Turn on the test lamp
.ZPwrSup_Enable 1

; Turn off the test lamp
.ZPwrSup_Disable 1

; Set display update rates to 1 minute
.ZPwrSup_Update_Rate 60
.ZMeter_Update_Rate 60
```



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Sample Display

Windows | Passive Monitors

