



SPRACE

OpenIPMC

PICMG REQUIREMENTS CHECK BY POLARIS

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PICMG Requirements Tests

○ 11/03/2021

PASSED	FAILED	SKIPPED	TOTAL
16 (32%)	29	4	49

○ 25/03/2021

- Main issue solved: Buffer too small in *Read FRU Data* and *Get Device SDR*
- Add some parameters check for protection.
- Proper completion code for all unimplemented command

PASSED	FAILED	SKIPPED	TOTAL
32 (32%)	45	21	98

Bug reported under Polaris!

- Many tests fails with “Cannot find Hot Swap sensor for FRU #0”, despite sensor exists.
- After fixing Some *Device IDs* and *Entity Instance* codes Shelf manager can now associate the sensors to the FRU.

Before fixing

```
86: LUN: 0, Sensor # 2 ("Hot Swap Carrier")
  Type: Discrete (0x6f), "Hot Swap" (0xf0)
  Belongs to entity (0xa0, 0x60)
  Status: 0xc0
    All event messages enabled from this sensor
    Sensor scanning enabled
    Initial update completed
  Sensor reading: 0x00
  Current State Mask 0x0010
```

After fixing

```
86: LUN: 0, Sensor # 2 ("Hot Swap Carrier")
  Type: Discrete (0x6f), "Hot Swap" (0xf0)
  Belongs to entity (0xa0, 0x60): FRU # 0
  Status: 0xc0
    All event messages enabled from this sensor
    Sensor scanning enabled
    Initial update completed
  Sensor reading: 0x00
  Current State Mask 0x0010
```

OpenIPMC-HW manufacturing

- PCB production ordered in 26/March from Circuibrás
 - Circuibras (Paraná): 28 boards - R\$6160,00 - 10 working days
 - Ancae (São Paulo): 28 boards - R\$4400,00 - 45 working days
- Quoting PCB assembly
 - VH Eletrônicos (Valinhos)
 - Standard América (Stolden, in Campinas)
 - Cromatek (Guarulhos) - They may refuse due to the little quantity
- Other PCB assemblers (Campinas) - To be contacted
 - CadServices
 - Neoplexus
 - Equitronic
 - Thanks to Victor Afonso for these references!

OpenIPMC-HW manufacturing

- Components (para 10 placas)
 - Grantech R\$ 9.848,02
 - Chipceter R\$ 12.323,99