

知 某局点S7506E交换机板卡fault问题

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组网及说明

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问题描述

22:19分槽位板卡出现fault, 导致所有ospf邻居中断, 22:23后切回normal, 公安传输义蓬站17槽视频监控业务以太网接口信号丢失, 告警四分钟后自动恢复

过程分析

22:19:34 2槽位LSQM1TGS16GPSA0自动重启,同时ospf震荡。

```
%@33081381%Sep 23 22:19:34:788 2023 SPJK-YP.HuiJu-S7506e  
DEV/2/BOARD_STATE_FAULT: Board state changed to Fault on slot 2, type is LSQM1TGS16GPSA  
0.
```

```
%@33081382%Sep 23 22:19:34:929 2023 SPJK-YP.HuiJu-S7506e OSPF/6/OSPF_LAST_NBR_DO  
WN: OSPF 1 Last neighbor down event: Router ID: 33.84.15.1 Local address: 33.84.15.84 Remote a  
ddress: 33.84.15.65 Reason: Ospf_ifachange.
```

```
%@33081383%Sep 23 22:19:34:929 2023 SPJK-YP.HuiJu-S7506e OSPF/5/OSPF_NBR_CHG: OS  
PF 1 Neighbor 33.84.15.65(Vlan-interface200) changed from 2-WAY to DOWN.
```

```
%@33081384%Sep 23 22:19:34:930 2023 SPJK-YP.HuiJu-S7506e OSPF/5/OSPF_NBR_CHG: OS  
PF 1 Neighbor 33.84.15.66(Vlan-interface200) changed from 2-WAY to DOWN.
```

查看诊断信息, 单板是控制通道检测失败重启。

-----Executed action records:-----

Slot 2:

1. 2023-09-23, 22:19:34 hot-rebooted by CONTROLPATH.
reason:CTRL_PATH. chip 255: the action executed 1 times.

Diagfile中也显示 控制通道检测失败,

```
%@87919^Sep 23 22:19:34:292 2023 SPJK-YP.HuiJu-S7506e DRVPLAT/3/DrvDebug:  
LINE:1024
```

```
MOD:GOLD,TASK:PCHK,-FILE id 0x400001,SLOT:0--:
```

Control path check fail will reboot slot 2.

```
%@87920^Sep 23 22:19:34:769 2023 SPJK-YP.HuiJu-S7506e DRVPLAT/3/DrvDebug:  
LINE:4179
```

```
MOD:DIAGAI,TASK:PCHK,-FILE id 0x470006,SLOT:0--:
```

Hot Reboot Finished, Slot:2

单板硬件故障, 比如CPU等, 建议更换单板解决。

解决方法

单板硬件故障，比如CPU等，建议更换单板解决。

