After the DS8900F can communicate again by using any of the links, trap 102 (as shown in Example 14-4) is sent after one or more of the interrupted links are available again.

Example 14-4   Trap 102: Remote Mirror and Copy links are operational

```
PPRC Links Up
UNIT: Mnf Type-Mod SerialNm LS
PRI:  IBM 2107-981 75-ZA571 21
SEC:  IBM 2107-981 75-CYK71 11
Path: Type  PP    PLink  SP    SLink  RC
1:    FIBRE 0010 XXXXXX 0143 XXXXXX OK
2:    FIBRE 0140 XXXXXX 0213 XXXXXX OK
```

Remote Mirror and Copy events

If you configured consistency groups and a volume within this consistency group is suspended because of a write error to the secondary device, trap 200 is sent, as shown in Example 14-5. One trap for each logical subsystem (LSS) that is configured with the consistency group option is sent. This trap can be handled by automation software, such as Copy Services Manager, to freeze this consistency group. The SR column in the trap represents the suspension reason code, which explains the cause of the error that suspended the Remote Mirror (Peer-to-Peer Remote Copy (PPRC)) and Copy group. The suspension reason codes are listed in Table 14-2 on page 457.

Example 14-5   Trap 200: LSS pair consistency group Remote Mirror and Copy pair error

```
LSS-Pair Consistency Group PPRC-Pair Error
UNIT: Mnf Type-Mod SerialNm LS LD SR
PRI:  IBM 2107-981 75-ZA571 84 08
SEC:  IBM 2107-981 75-CYM31 54 84
```

Trap 202, as shown in Example 14-6, is sent if a Remote Copy pair goes into a suspend state. The trap contains the serial number (`SerialNm`) of the primary and secondary machine, the LSS (`LS`), and the logical device (`LD`). To avoid SNMP trap flooding, the number of SNMP traps for the LSS is throttled. The complete suspended pair information is represented in the summary.

The last row of the trap represents the suspend state for all pairs in the reporting LSS. The suspended pair information contains a hexadecimal string of 64 characters. By converting this hex string into binary code, each bit represents a single device. If the bit is 1, the device is suspended. Otherwise, the device is still in full duplex mode.

Example 14-6   Trap 202: Primary Remote Mirror and Copy devices on LSS suspended due to error

```
Primary PPRC Devices on LSS Suspended Due to Error
UNIT: Mnf Type-Mod SerialNm LS LD SR
PRI:  IBM 2107-981 75-ZA571 28 00 01
SEC:  IBM 2107-981 75-CZM21 a8 00
Start: 2015/11/14 10:30:32 CST
PRI Dev Flags (1 bit/Dev, 1=Suspended):
C000000000000000000000000000000000000000000000000000000000000000
```