

# DSL Down

The screenshot shows a Telnet session on a Cisco router (QQQ\_Router\_1) with IP 192.168.5.253. The user has entered the command 'sh cont dsl 0' to display the status and statistics for DSL line 0. The output shows that the controller is DOWN and the line is not trained. It also displays detailed statistics for both Line 0 and Line 1, including current and previous 15-minute and 24-hour counters for CRC, LOSW Defect, ES, SES, and UAS. Finally, it shows the status for both lines, indicating they are in training mode with a status of 18 and that DSL firmware is being downloaded.

```
cat: Telnet 192.168.5.253
QQQ_Router_1#sh cont dsl 0
DSL 0 controller DOWN
GloboSpan xDSL controller chipset
DSL mode: Not Trained
Frame mode: Utopia
Configured Line rate: 4608Kbps
Line Re-activated 1981 times after system bootup
LOS Defect alarm: ACTIVE
CRC per second alarm: ACTIVE
Line termination: CO

Line 0 statistics
Current 15 min counters
CRC : 1 LOSW Defect : 0 ES : 1 SES : 0 UAS : 319
Previous 15 min counters
CRC : 6 LOSW Defect : 4 ES : 1 SES : 0 UAS : 602
Current 24 hr counters
CRC : 504 LOSW Defect : 360 ES : 94 SES : 0 UAS : 50
534
Previous 24 hr counters
CRC : 2520 LOSW Defect : 463 ES : 94 SES : 14
UAS : 56473

Line 1 statistics
Current 15 min counters
CRC : 63 LOSW Defect : 2 ES : 24 SES : 0 UAS : 319
Previous 15 min counters
CRC : 91 LOSW Defect : 4 ES : 37 SES : 0 UAS : 609
Current 24 hr counters
CRC : 8289 LOSW Defect : 412 ES : 3604 SES : 4
UAS : 50818
Previous 24 hr counters
CRC : 10415 LOSW Defect : 433 ES : 3861 SES : 19
UAS : 56746

Line-0 status
Chipset Version: 0
Firmware Version: R4.3.1
Modem Status: Training, Status 18
Last Fail Mode: No Failure status:0x0
DSL firmware download in progress, please wait
Line-1 status
Chipset Version: 0
Firmware Version: R4.3.1
Modem Status: Training, Status 18
Last Fail Mode: No Failure status:0x0
DSL firmware download in progress, please wait
Dying Gasp: Present
```

# DSL UP

```
CA: Telnet 192.168.5.253
QQQ_Router_1#sh cont dsl 0
DSL 0 controller UP
Globespan xDSL controller chipset
Line Mode: Four Wire Enhanced
DSL mode: Trained with SHDSL Annex B
Frame mode: Utopia
Configured Line rate: 4608Kbps
Line Re-activated 1984 times after system bootup
LOSW Defect alarm: ACTIVE
CRC per second alarm: ACTIVE
Line termination: CO

Line 0 statistics
    Current 15 min counters
        CRC : 1 LOSW Defect : 0 ES : 1 SES : 0 UAS : 543
    Previous 15 min counters
        CRC : 6 LOSW Defect : 4 ES : 1 SES : 0 UAS : 602
    Current 24 hr counters
        CRC : 504 LOSW Defect : 360 ES : 94 SES : 0 UAS : 50758
    Previous 24 hr counters
        CRC : 2520 LOSW Defect : 463 ES : 94 SES : 14
UAS : 56473

Line 1 statistics
    Current 15 min counters
        CRC : 92 LOSW Defect : 2 ES : 42 SES : 0 UAS : 543
    Previous 15 min counters
        CRC : 91 LOSW Defect : 4 ES : 37 SES : 0 UAS : 609
    Current 24 hr counters
        CRC : 8318 LOSW Defect : 412 ES : 3622 SES : 4
UAS : 51042
    Previous 24 hr counters
        CRC : 10415 LOSW Defect : 433 ES : 3861 SES : 19
UAS : 56746

Line-0 status
Chipset Version: 0
Firmware Version: R4.3.1
Modem Status: Data, Status 1
Last Fail Mode: No Failure status:0x0
Line rate: 2312 Kbps
Framer Sync Status: In Sync
Rcv Clock Status: In the Range
Loop Attenuation: 28.5 dB
Transmit Power: 14.5 dB
Receiver Gain: 45.840 dB
SNR Sampling: 25.3900 dB
Receive HEC Error Count: 0
Line-1 status
```

The image shows a Windows desktop environment. In the foreground, a Telnet terminal window titled "Telnet 192.168.5.253" is open, displaying the following status information:

```
Line-0 status
Chipset Version: 0
Firmware Version: R4.3.1
Modem Status: Data, Status 1
Last Fail Mode: No Failure status:0x0
Line rate: 2312 Kbps
Framer Sync Status: In Sync
Rcv Clock Status: In the Range
Loop Attenuation: 28.5 dB
Transmit Power: 14.5 dB
Receiver Gain: 45.840 dB
SNR Sampling: 25.3900 dB
Receive HEC Error Count: 0
Line-1 status
Chipset Version: 0
Firmware Version: R4.3.1
Modem Status: Data, Status 1
Last Fail Mode: No Failure status:0x0
Line rate: 2312 Kbps
Framer Sync Status: In Sync
Rcv Clock Status: In the Range
Loop Attenuation: 27.7 dB
Transmit Power: 14.5 dB
Receiver Gain: 45.840 dB
SNR Sampling: 22.1680 dB
Receive HEC Error Count: 0
Dying Gasp: Present

QQQ_Router_1#_
```

In the background, a Microsoft Word document is open, showing a page with a large black redaction box covering most of the content. The Word ribbon is visible at the top, and the status bar at the bottom indicates "Page: 2 of 3" and "Words: 4".