

# 202207 - Public report

## Unscheduled:

- July 28th: Backbone link between Visby and Norrköping was down due to faulty optic module in providers transmission equipment. Fault correction will continue in SUNETTICKET-8031.
- July 24th: Backbone link between Visby and Norrköping down. Caused by faulty optic module in their transmission equipment that they had to replace
- July 24th: Wiki and Jira was inaccessible due to issued with crowd service. Services restored after crowd was restarted.
- July 16th: Router [su-r1.sunet.se](https://www.sunet.se/routers/su-r1) was unreachable due to a faulty fpc. The router was replaced and is stable.
- July 14th: The backbone link between Visby and Norrköping was down. The reason for the outage was an issue in fiber provider transmission equipment.
- July 14th: A FPC in router [su-r1](https://www.sunet.se/routers/su-r1) was automatically restarted due to a faulty hardware issue. The router was replaced and is stable.
- July 7th: The link between Piteå and Skellefteå was down due to a fiber break in the sub-providers network.
- July 6th: A FPC on router [bos-r1](https://www.sunet.se/routers/bos-r1) showed an error. It was solved by restarting the FPC.
- July 5th: The link between Kristianstad (KSD1) - Hemsjö (HEJ) went down and due to another ongoing outage in Kristianstad on SUNETTICKET-7995. The routers [hkr-r1](https://www.sunet.se/routers/hkr-r1), [hkr-2](https://www.sunet.se/routers/hkr-2) and [ksd1-r1](https://www.sunet.se/routers/ksd1-r1) became unreachable due to human error of supplier at site.
- July 5th: Link between Dingle (MUN17) and Strömstad (STD24) flapped twice. Provider has not been able to find any RFO
- July 5th: The link between Kristianstad and Tomelilla was down due to extensive damage to the fibers. We have temporary been moved to another fiber pair while the extensive damage is repaired.  
A maintenance ticket will be sent out when provider has a known date for the repair work.
- July 2nd: The link between [sthb-r1](https://www.sunet.se/routers/sthb-r1) - [ume8-r1](https://www.sunet.se/routers/ume8-r1) flapped due to a fpc restart.
- June 22nd: Observed alarm KGV11 Input Voltage Failure that caused the node to restart. This was due to power issues on the site.
- June 22nd: The link between [kau-r2](https://www.sunet.se/routers/kau-r2) and [trh-r1](https://www.sunet.se/routers/trh-r1) went down. This was due to unannounced fiber maintenance.

## Scheduled:

- July 29th: SUNET re-calibrated RAMAN amplification on the fiber stretch between Oslo (HMG9) and Rakkestad (NOR1202).
- July 28th: SUNET performed a maintenance to fix management for this circuit on the NMS tool.
- July 25th: SUNET performed emergency router maintenance on the routers in Borås [hb-r2](https://www.sunet.se/routers/hb-r2).
- July 25th: Our provider perform OTDR measurements on the fiber between [gbg7](https://www.sunet.se/routers/gbg7) and [gu2](https://www.sunet.se/routers/gu2).
- July 21st: Upgraded software on [mcen-r1](https://www.sunet.se/routers/mcen-r1) and [mcen-sw1](https://www.sunet.se/routers/mcen-sw1). After the upgrade one of the interfaces towards NORDUnet is down. This incident will be tracked in SUNETTICKET-8028
- July 20th: Upgraded software on [jkg-r1.sunet.se](https://www.sunet.se/routers/jkg-r1) and [lnd88-r1.sunet.se](https://www.sunet.se/routers/lnd88-r1)
- July 14th: Provider performed planned repair maintenance of damaged fiber cable.
- July 12th: SUNET performed re-calibrate of RAMAN amplification on the fiber stretch between Oslo (HMG9) and Rakkestad (NOR1202). To solve GAIN/TILT abnormal alarm on NOR1202.
- July 6th: Supplier performed cable work in their network between Arvidsjaur (AJR2) and JKK2 (Kåbdalis).
- July 6th: SUNET performed software upgrade on router in Linköping ([liu-r2](https://www.sunet.se/routers/liu-r2)).
- July 5th: SUNET performed software upgrade on the router in Luleå ([lla1-r2](https://www.sunet.se/routers/lla1-r2)).
- July 4th: SUNET performed software upgrade on the router in Narvik ([kir5-r1](https://www.sunet.se/routers/kir5-r1))
- June 27th: SUNET performed software upgrades on the routers in Uppsala ([upa-r1](https://www.sunet.se/routers/upa-r1)), Onsala ([onsala-r1](https://www.sunet.se/routers/onsala-r1)) and Stockholm ([sh-r2](https://www.sunet.se/routers/sh-r2))
- June 9th: Provider performed planned hardware maintenance on router [gbg7-r2](https://www.sunet.se/routers/gbg7-r2).

Scope	Unscheduled	Scheduled	Total
Hardware	0 pcs	2 pcs 00:19	2 pcs 00:19
Link	11 pcs 4d 8:14	6 pcs 16:43	17 pcs 5d 00:57
None	2 pcs 00:21	1 pcs 00:35	3 pcs 00:56
Routing	0 pcs	0 pcs	0 pcs
Software	1 pcs 03:49	5 pcs 08:37	6 pcs 12:26