NORDUnet Traffic Report

June 1993

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PING Availability statistics 930601 - 930630

Line/Site	Number of downs			Total downtime	Avail
	>1hour	1h-10min	0-10min		
stockholm-ebs2.ebone.net	0	0	5	00:05:00	99.99%
nic.nordu.net	0	0	2	00:10:02	99.98%
dk-gw.nordu.net	0	1	13	00:36:59	99.91%
stockholm-ebs1.ebone.net	0	1	14	00:39:01	99.91%
amsterdam-ebs2.ebone.net	0	2	20	01:00:04	99.86%
london-ebs1.ebone.net	0	0	79	01:32:00	99.79%
searn.sunet.se	1	0	5	01:52:00	99.74%
is-gw.nordu.net	0	2	27	02:02:04	99.72%
no-gw.nordu.net	1	0	48	01:59:05	99.72%
stockholm-washington.ebone.net	0	3	39	02:46:09	99.62%
cern-ebs1.ebone.net	0	4	82	03:33:07	99.51%
fi-gw.nordu.net	2	1	24	03:34:07	99.50%

SNMP Availability statistics 930601 - 930630

Line/Site	Number of downs			Total downtime	Avail
	>1hour	1h-10min	0-10min		
Stockholm-Denmark	0	0	15	00:11:48	99.97%
Stockholm-Amsterdam	0	1	9	00:28:19	99.93%
Stockholm-Norway	0	1	9	01:05:22	99.85%
Stockholm-Iceland	0	1	18	01:21:54	99.81%
Stockholm-Tartu	0	3	8	01:20:26	99.81%
Stockholm-Washington	0	2	24	01:39:22	99.77%
Stockholm-Tallinn	0	4	21	02:31:54	99.65%
Stockholm-Finland	1	0	11	03:55:22	99.46%
Stockholm-Bonn	1	0	4	04:14:21	99.41%
Stockholm-London	3	1	3	05:25:57	99.25%
Stockholm-Poland	2	5	70	20:43:45	97.12%

Event Log

930601 04:58	International traffic for connections previously routed over the transatlantic cable, but now on satellite, are experiencing outages connected with a commercial power outage at the Homedale eath station. The site lost power during severe weather conditions and when it went to generator back-up some circuits did not restore.
930601 07:30	All danish nodes on 129.142 have peen pinged systematically from one end to the other generating 20 ARP/second. The source is located outside Denmark.
930601 22:38	Problem between Marseille and Montpellier affected CNUSC traffic and a part of the FORTH traffic.
930602 09:45	Paris EBS1 down. After a reboot the router cannot reload its software. Affecting links Paris --> Cern and Paris --> Washington. The router was unable to uncompress the soft version BIN-bgp3.921204. Everything was OK with an uncompress version.
930603	The UK Fat Pipe and Ebone-Stockholm T1s are returned to their normal path on the PTAT cable from the satellite backup.
930607 08:20	Link Stockholm-London down due to major circuit failure in Denmark
930607 09:30	T1 between Paris (EBS2) and Washington connected.
930610 20:00	Stockholm-EBS1 moved from Electrum, Kista, to the same location as Stockholm-EBS2 (KTH NOC) to eliminate a microwave link hop.
930613	Problem with dropped packets over the Fix-East FDDI
930614 05:00	Dutch PTT will bring down all international lines connected to Amsterdam-EBS1 for apr. 1 hour due to work on a "high-level system".
930614 19:00	The new T1 link Amsterdam-Geneva in production and works fine.
930615	The Ebone link between London-EBS1 and Paris-EBS2 down due to local BT problem at the London Holborn exchange.
930617 09:40	Problems with an optofiber in Sweden causes problems with the NORDUnet line to Finland as well as internal SUNET-traffic to northern Sweden.
930621	PTT tests of the new Stockholm-Amsterdam T1 link ready and ok.
930621 10:00	Link Ebone GMD-CERN down. Circuit problem in Franfurt/Germany.
930622 10:30	Paris EBS1 upgraded with a new router with 6 serials and 2 ethernets.
930622 19:40	The Heraklion (CRETE) and Braga (PORTUGAL) RBSs connected to Paris EBS1.
930623 10:15	The Stockholm-Bonn link down due to problem in the Frankfurt area.
930626 02:00	Both T1s between ICM-DC-1 and ICM-FIX-E down.

	Megabytes during 9306	
	Input	Output
NORDUnet-Denmark	20174.2	34948.6
NORDUnet-Finland	144378.3	61287.9
NORDUnet-Iceland	1304.4	4848.5
NORDUnet-Norway	33966.9	67483.1
NORDUnet-Poland	586.6	7314.5
NORDUnet-Sweden	108390.4	124371.4
NORDUnet-Tallinn	887.9	3040.0
NORDUnet-Tartu	767.9	2718.2
Ebone-Stockholm-London	41400.9	56935.6
Ebone-Stockholm-US	148048.3	145540.9
Ebone-Stockholm-Amsterdam	47755.6	67657.8
Ebone-Stockholm-Bonn	15224.3	26652.4

	Utilization during 9306			
	Input %		Output %	
	aver	peak	aver	peak
NORDUnet-Denmark	13.36	40.55	22.88	64.62
NORDUnet-Finland	47.38	71.51	20.06	41.17
NORDUnet-Iceland	7.58	29.85	28.14	75.11
NORDUnet-Norway	22.14	50.27	44.03	78.42
NORDUnet-Poland	5.29	26.74	62.59	89.69
NORDUnet-Sweden	17.37	38.02	20.36	41.82
NORDUnet-Tallinn	4.54	14.73	15.53	48.27
NORDUnet-Tartu	4.09	11.17	14.39	48.98
Ebone-Stockholm-Amsterdam	31.22	63.72	43.83	76.86
Ebone-Stockholm-Bonn	19.96	66.01	34.97	78.05
Ebone-Stockholm-London	53.21	85.91	73.13	95.60
Ebone-Stockholm-US	32.39	57.98	31.43	56.48

	Kbps during 9306				
	Input		Output		Max
	aver	peak	aver	peak	speed
NORDUnet-Denmark	68	209	117	341	512
NORDUnet-Finland	485	825	205	442	1024
NORDUnet-Iceland	4	17	16	42	56
NORDUnet-Norway	114	274	227	470	512
NORDUnet-Poland	2	11	24	36	32
NORDUnet-Sweden	356	779	417	856	2048
NORDUnet-Tallinn	3	9	10	31	64
NORDUnet-Tartu	3	7	9	31	64
Ebone-Stockholm-Amsterdam	160	326	225	395	512
Ebone-Stockholm-Bonn	51	180	90	221	256
Ebone-Stockholm-London	136	220	187	245	256
Ebone-Stockholm-US	497	891	482	867	1536

Stockholm EBS 9306					
Source-Dest	Mbytes	Source-Dest	Mbytes	Source-Dest	Mbytes
at-dk	7.3	**at-edu**	15.6	**at-fi**	34.8
at-pl	11.5	**at-se**	107.9	**au-dk**	8.7
au-fi	176.9	**au-no**	367.4	**au-se**	370.3
au-unknown	28.6	**ca-dk**	201.5	**ca-fi**	87.9
ca-no	42.0	**ca-se**	104.2	**ch-com**	16.6
ch-dk	1196.4	**ch-fi**	341.2	**ch-no**	455.3
ch-se	1736.0	**ch-unknown**	53.1	**cl-dk**	27.5
cl-unknown	7.3	**com-com**	33.0	**com-dk**	290.3
com-edu	13.2	**com-ee**	78.5	**com-fi**	1531.4
com-is	9.1	**com-net**	850.7	**com-no**	2037.3
com-pl	34.4	**com-se**	2599.9	**com-unknown**	269.6
cs-no	38.9	**de-dk**	246.3	**de-ee**	44.3
de-fi	392.7	**de-net**	289.7	**de-no**	455.5
de-se	1467.8	**de-unknown**	257.6	**dk-au**	185.7
dk-br	17.1	**dk-ca**	176.4	**dk-com**	124.9
dk-dk	6.5	**dk-edu**	1262.9	**dk-fi**	88.8
dk-gov	24.5	**dk-jp**	21.0	**dk-mil**	19.1
dk-no	227.2	**dk-se**	289.4	**dk-tw**	11.7
dk-unknown	95.8	**edu-dk**	2400.4	**edu-ee**	55.8
edu-fi	3970.2	**edu-is**	235.7	**edu-net**	1658.4
edu-no	6234.2	**edu-pl**	252.3	**edu-se**	12176.7
edu-unknown	1379.9	**ee-com**	25.7	**ee-ee**	8.2
ee-se	28.7	**es-se**	24.4	**es-unknown**	10.3
fi-au	283.6	**fi-ca**	676.9	**fi-cl**	23.9
fi-com	2038.4	**fi-dk**	2497.3	**fi-edu**	3699.4
fi-ee	52.7	**fi-gb**	9.5	**fi-gov**	408.5
fi-hk	46.0	**fi-is**	411.5	**fi-jp**	107.9
fi-kr	36.0	**fi-mil**	358.1	**fi-mx**	11.0
fi-net	294.7	**fi-nl**	181.6	**fi-no**	3086.4
fi-nz	26.9	**fi-org**	57.4	**fi-pl**	603.7
fi-se	4710.1	**fi-tw**	71.6	**fi-unknown**	1920.9
fi-us	15.2	**fi-za**	47.8	**fr-dk**	67.9
fr-edu	80.7	**fr-fi**	566.4	**fr-is**	80.2
fr-net	254.0	**fr-no**	692.4	**fr-se**	1659.4
fr-unknown	19.8	**gov-dk**	130.6	**gov-fi**	1099.8
gov-net	542.6	**gov-no**	2357.3	**gov-pl**	171.6
gov-se	4545.0	**gov-unknown**	113.1	**hu-dk**	12.6
ie-unknown	13.8	**il-dk**	36.8	**il-ee**	8.8
il-fi	5.8	**il-no**	72.9	**il-se**	264.6
il-unknown	18.4	**is-fi**	11.9	**is-se**	17.9
it-se	20.5	**jp-dk**	25.3	**jp-fi**	47.5
jp-se	17.5	**jp-unknown**	11.4	**kr-se**	99.4
mil-dk	14.9	**mil-fi**	84.3	**mil-net**	10.0
mil-no	171.3	**mil-pl**	44.2	**mil-se**	369.6
mil-unknown	28.7	**mx-fi**	20.4	**mx-unknown**	29.3
net-ca	13.9	**net-com**	123.2	**net-dk**	44.2
net-fi	6402.2	**net-is**	15.1	**net-net**	5069.4
net-no	1732.3	**net-se**	7713.0	**net-unknown**	312.6
nl-com	381.5	**nl-dk**	517.2	**nl-edu**	214.7
nl-ee	44.6	**nl-fi**	331.4	**nl-is**	103.5

Stockholm EBS 9306					
Source-Dest	Mbytes	Source-Dest	Mbytes	Source-Dest	Mbytes
nl-my	27.1	**nl-net**	50.5	**nl-no**	2766.2
nl-se	1720.1	**nl-unknown**	228.4	**nl-za**	64.2
no-au	219.1	**no-ca**	227.5	**no-com**	163.7
no-dk	204.5	**no-edu**	1674.7	**no-fi**	265.5
no-gov	66.2	**no-hk**	18.5	**no-is**	104.4
no-jp	67.7	**no-mil**	68.8	**no-mx**	64.5
no-pl	65.1	**no-se**	1400.0	**no-tw**	129.4
no-unknown	537.8	**org-cr**	21.4	**org-dk**	36.0
org-fi	38.2	**org-se**	355.4	**org-unknown**	9.5
pl-se	369.8	**se-au**	347.5	**se-br**	13.0
se-ca	530.6	**se-cl**	51.2	**se-com**	622.7
se-dk	2439.2	**se-edu**	2780.3	**se-ee**	3403.6
se-fi	3035.1	**se-gov**	76.8	**se-hk**	11.8
se-is	1466.5	**se-jp**	147.7	**se-kr**	68.2
se-localhost	59.9	**se-mil**	50.1	**se-mx**	12.0
se-net	360.1	**se-no**	4282.8	**se-org**	70.8
se-pl	2244.6	**se-se**	1983.7	**se-sg**	16.7
se-tw	40.0	**se-unknown**	2294.6	**sk-com**	9.9
tw-is	9.1	**tw-no**	184.1	**tw-se**	56.0
uk-com	37.2	**uk-dk**	116.8	**uk-edu**	16.4
uk-fi	477.1	**uk-is**	9.7	**uk-net**	126.8
uk-no	475.3	**uk-pl**	12.9	**uk-se**	1625.7
uk-unknown	188.6	**unknown-au**	23.7	**unknown-ca**	390.5
unknown-com	30.9	**unknown-dk**	587.3	**unknown-edu**	542.1
unknown-fi	1055.8	**unknown-gov**	13.8	**unknown-is**	5.9
unknown-jp	16.9	**unknown-mil**	12.2	**unknown-mx**	11.6
unknown-net	476.0	**unknown-no**	1795.1	**unknown-se**	2712.4
unknown-unknown	948.3	**us-unknown**	12.5	**za-unknown**	16.0