



ICT Forum Update (TT 2014)

- ✧ TONE update
- ✧ 'new' eduroam
- ✧ SSID's – for discussion
- ✧ Public access

Mr Henryk Glogowski

Head of Networks & Data Centres

June 2014

V1.0.0

TONE Timescales & Planning – Phases 2-5

Task Name	Start	Finish
Phase 2 - Network Procurement	Tue 18/03/14	Fri 26/12/14
PID & Service Delivery Model (to Commence Phase 3)	Mon 01/04/14	October '14
ITT Evaluation	Mon 28/04/14	Tue 26/08/14
Evaluation to Shortlist	Mon 28/04/14	Wed 25/06/14
Evaluation to Preferred Supplier	Tue 01/07/14	Tue 26/08/14
Contractual Discussions	Mon 01/09/14	Thu 30/10/14
Contract Signature	Fri 31/10/14	Fri 26/12/14
Phase 2 - Fibre Procurement (Bifrost)	17/06/14	31/03/15
See next slide		
Phase 3 - Core Build	Mon 01/12/14	Wed 15/07/16
Core Build	Mon 01/12/14	Wed 15/07/15
Fibre Procurement		
Fibre Installation - Core	Wed 01/04/15	Fri 29/05/15
Phase 4 - FroDo Upgrades	Wed 15/07/15	Wed 01/06/16
Install new fibres for FroDo Phase 4 upgrades	Wed 15/07/15	Wed 01/06/16
Phase 5 - FroDo Upgrades	Wed 01/06/16	Thu 01/06/18
Install new fibres for FroDo Phase 5 upgrades	Wed 01/06/16	Thu 01/06/18
<i>Review & Plan for network renewal (anticipated)</i>	<i>2019/2020?</i>	<i>2020/2022?</i>

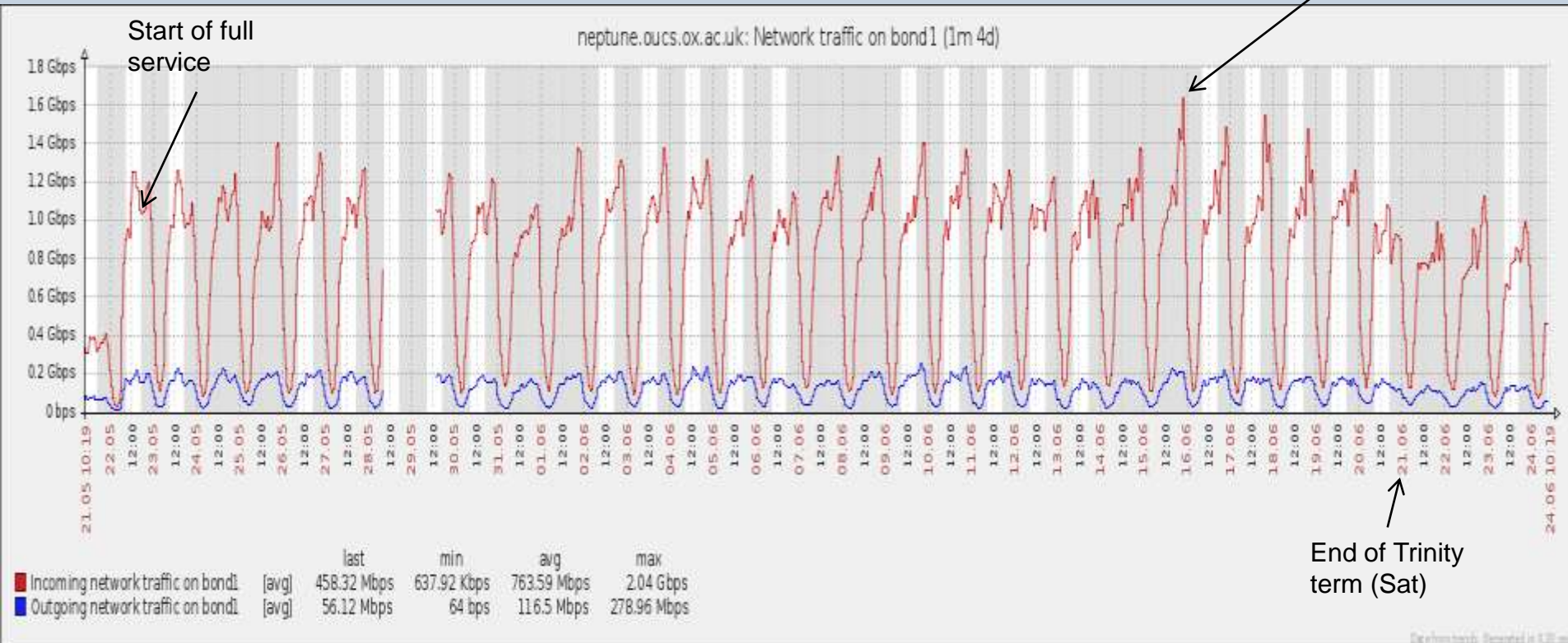
Bifrost (a TONE sub-project)

Date	Action
17 June 2014	ITT issued
23 May 2014	Acknowledgement of receipt of ITT and attendance at Fibre Route Survey Day
26 June 2014	Fibre Route Survey Day
18 July 2014	Deadline for receipt of questions
12 noon 25 July 2014	Submission of tender
10 September 2014	Supplier Presentations
Early October 2014	Date by which the University will nominate a preferred Supplier
Early December 2014	Date by which the University intends to award a contract
Lot 1: Core Network fibre install	5 January – 1 May 2015
Lot 2: Edge Network fibre install	30 March 2015 – 31 March 2016

'New' eduroam

- Doing well – would you agree?

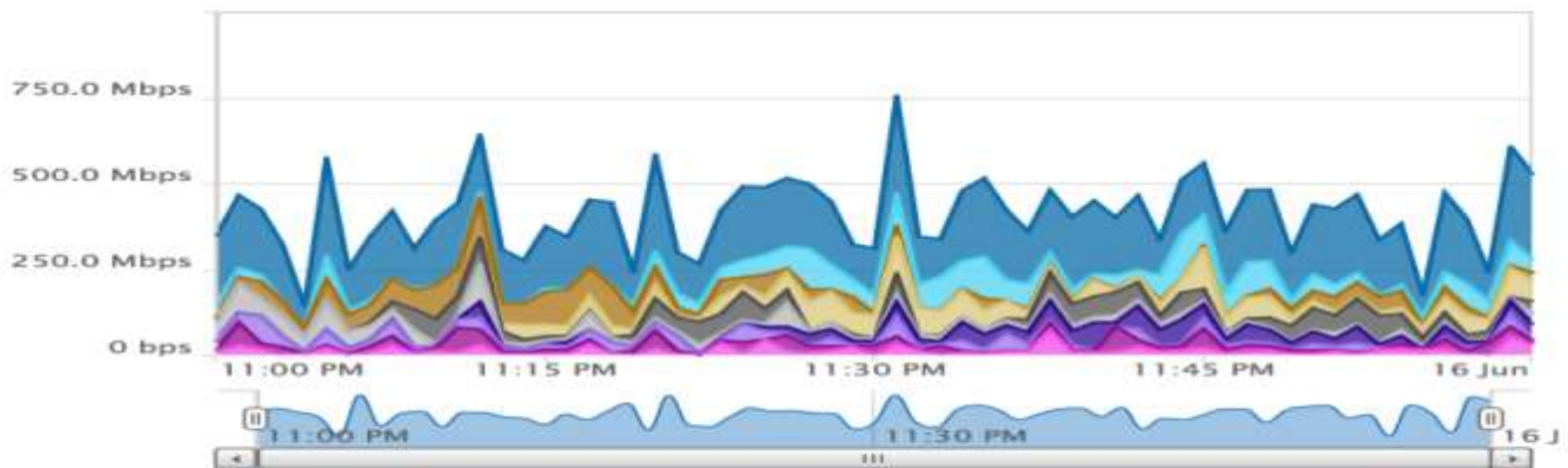
Max. - so far!
(See next slide)



- But ... still a finite capacity.
- Note: OWL traffic is NOT included here

Peak use

Top 15 Transmitters
 INGRESS, 6/15/2014 11:00 PM TO 6/16/2014 12:00 AM, RATE (KBPS)



YouTube

iPlayer

Akamai/
Netflix

iPlayer

HOSTNAME	INGRESS BYTES	INGRESS PACKETS	PERCENT (UTILIZATION)
cache.google.com	81.4 Gbytes	56.14 M	11.93% (1.81%)
https-87-248-208-118.lon.llnw.net	19.5 Gbytes	13.29 M	2.85% (0.43%)
https-87-248-208-116.lon.llnw.net	15.6 Gbytes	10.66 M	2.29% (0.35%)
https-178-79-195-112.lcy1.llnw.net	15.5 Gbytes	10.6 M	2.27% (0.34%)
https-87-248-208-117.lon.llnw.net	13.7 Gbytes	9.44 M	2.01% (0.31%)
https-87-248-208-112.lon.llnw.net	10.5 Gbytes	7.13 M	1.54% (0.23%)
2.20.183.184	9.3 Gbytes	6.27 M	1.36% (0.21%)
185.2.222.156	8.2 Gbytes	5.51 M	1.2% (0.18%)
185.2.222.154	7.3 Gbytes	4.93 M	1.06% (0.16%)
185.2.223.146	7.0 Gbytes	4.78 M	1.03% (0.16%)
2.20.183.153	6.1 Gbytes	4.12 M	0.9% (0.14%)
185.2.223.153	5.7 Gbytes	3.98 M	0.84% (0.13%)
2.20.183.169	5.8 Gbytes	3.87 M	0.82% (0.12%)
a23-212-109-18.deploy.static.akamaitechnologies.com	5.3 Gbytes	3.56 M	0.77% (0.12%)
https-178-79-195-116.lcy1.llnw.net	4.7 Gbytes	3.24 M	0.69% (0.1%)
Remaining traffic	467.0 Gbytes	355.62 M	68.42% (10.38%)

SSID's – for discussion

A proposal from the Janet Public Access 'working group'

1. "3" University-wide SSIDs:
 - eduroam
 - "OWL Visitor" (to be renamed?) ; and
 - Some form(s) of 'public' SSID (eg The Cloud).
2. Local provision:
 - Local SSIDs
 - A University 'framework agreement' for Janet 'approved' third parties.

Public access

- Discussions with The Cloud.
- Simon Thomson very kindly agreed to set up a survey
 - Reminder about survey (see my email: “[itss-d] Janet Public Access via the Cloud - a survey”)
 - Closing date: first thing 30/06 (**ie next Monday**)
 - Preliminary results (as of 23/06):
 - 41 replies
 - 31 wish to carry Cloud SSID
 - 10 do not **NOT** wish to carry Cloud SSID
 - >3k WAPs

As always - thank you for listening.

Any questions or comments?