

TRIUMF Networking

(tentative answers to questions)

Steve McDonald & *al.*

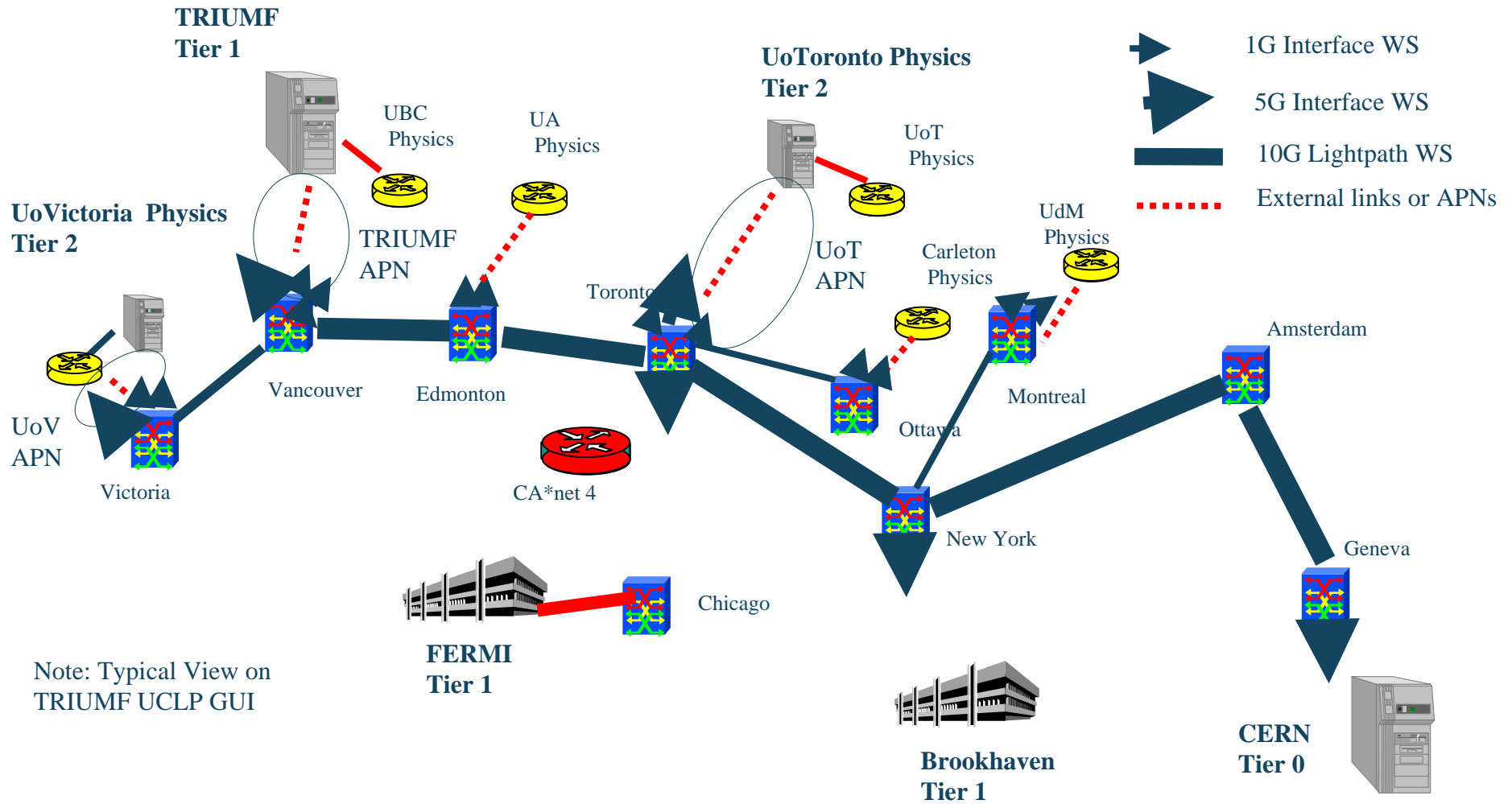
(R. Tafirout)

TRIUMF

T0 / T1 Networking Meeting

CERN, July 19th 2005

TRIUMF Connectivity



Few answers (I)

- Which Networking equipment will be used ?
 - Currently undecided, likely Candidates
 - Foundry FastIRON SuperX, MG8
 - Force10 E300/E600
- How is local network layout organised?
 - 1G BGP connection to CA*net4 and rest of research network, 10G WAN PHY lightpath to CERN via local PoP BCNET, CA*net4, NY MANLAN, Amsterdam
- How is the routing organised between the OPN and the general purpose internet?
 - Present lightpath terminates at TRIUMF there is no access to public Internet, Probably BGP added later when final network hardware is purchased and in place
- What AS number and IP prefixes will they use and are the IP prefixes dedicated to the connectivity to the T0?
 - TRIUMF does not have an AS number likely use one from regional provider
 - IP prefix for TRIUMF T1 is 206.12.1.0/24
 - It will be dedicated to connectivity to T0

Few answers (II)

- What backup connectivity is foreseen?
 - Still undecided
- What is the monitoring technology used locally?
 - SNMP, Cricket/RRD, Nagios, Intermapper, Ganglia, Smokeping
- How is the operational support organised?
 - Likely a joint support between the parties involved (TRIUMF/HEPNET/Canarie)
- What is the security model to be used with OPN?
 - Undecided – possibly ACL based
- What is the policy for external monitoring of local network devices, e.g. the border router for the OPN. How will it be implemented ?
 - Did not explore this issue yet

Planned Configuration

